

19990728.qrp v01_n531.qrl.990728

Date: Wed, 28 Jul 1999 19:03:08 EDT

From: qrp-l@Lehigh.EDU

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Subject: QRP-L digest 1531

QRP-L Digest 1531

Topics covered in this issue include:

- 1) [46202] Re: Paddle handles broken or unattractive?
by Bruce Kizerian <kizerian@ced.utah.edu>
- 2) [46203] SOLD! FS: SW40+ and WM20
by Lee Jarvis <l2jarvis@mindspring.com>
- 3) [46204] Ft. Tuthill
by Jim Lowman <jmlowman@ix.netcom.com>
- 4) [46205] Re: INFO PAGE FOR ARGONUAT 515
by Jim Lowman <jmlowman@ix.netcom.com>
- 5) [46206] Ten-Tec 405 Amplifier and Model 251 P/S
by Jim Lowman <jmlowman@ix.netcom.com>
- 6) [46207] Re: RS Insulators
by DENNISMO@aol.com
- 7) [46208] test post from K0FRP
by "al dawkins" <alk0frp@earthlink.net>
- 8) [46209] RS close outs
by "George Goodroe" <goodroe@worldnet.att.net>
- 9) [46210] Not QRP: Scanner for sale
by malman@world.std.com (Joel Malman)
- 10) [46211] FS -DSP and Tuner
by "George Goodroe" <goodroe@worldnet.att.net>
- 11) [46212] Re: Bad operating conditions in Greece
by Russ Dow <n7dw@garlic.com>
- 12) [46213] AA1MY Bumble log
by S LYON <sslyon@worldnet.att.net>
- 13) [46214] Ft. Tuthill
by Monte Stark <ku7y@dri.edu>
- 14) [46215] 12v solar panel
by Jim Hale <kj5tf@yahoo.com>
- 15) [46216] TAC Contest 1999 Web Page Results
by "Ron Polityka" <wb3aal@talon.net>
- 16) [46217] Success Story Long
by "Charles Hamel" <cdhamel@pdq.net>
- 17) [46218] 2N2/40 impressions
by "Alex Mendelsohn" <ai2q@ispchannel.com>
- 18) [46219] Re: SD-20 still available?
by "Nick Yokanovich" <n0ny@toad.net>
- 19) [46220] LINKDOC - GA QSO Party

- by Jim Stafford <w4qo@amsat.org>
- 20) [46221] Crystal QRP radio
by Jim Ek <JIM-EK@worldnet.att.net>
- 21) [46222] Re: INFO PAGE FOR ARGONUAT 515
by "Paul R. Valko" <prvalko@oakland.edu>
- 22) [46223] 2N2/40 FINAL
by Lee Bahr <bahr521@earthlink.net>
- 23) [46224] Web Page Updated
by Michael C Boatright <ko4wx@mindspring.com>
- 24) [46225] Re: Ethernet terminator for dummy load
by Paul Erickson <paule@sfu.ca>
- 25) [46226] RF Oscillator (fwd)
by Bruce Rattray <rattray@gpfn.sk.ca>
- 26) [46227] Heathkit Q-meter - operating instructions?
by n5ib@juno.com
- 27) [46228] "NWQ" Newsletter update
by "Bill Todd" <bill@willapabay.org>
- 28) [46229] Ft. Tuthill Report with Pictures
by Jerry Parker <jparker@fix.net>
- 29) [46230] Re: Toner Transfer System
by "Leon Heller" <leon_heller@hotmail.com>
- 30) [46231] Re: Play a text file in CW?
by "LB" <cyberoptics@pandora.be>
- 31) [46232] BB Fun
by "Dan Wolfe" <n4roa@mounet.com>
- 32) [46233] a
by "Kleibe Jacinto de Araujo" <kleibe@dgo.mc.gov.br>
- 33) [46234] Re: Manuals
by "L. B. Cebik" <cebik@utkux.utcc.utk.edu>
- 34) [46235] Finding Qrp Circuits!
by "Kleibe Jacinto de Araujo" <kleibe@dgo.mc.gov.br>
- 35) [46236] Re: SD-20 still available?
by "John Burnley" <burnley-ia@worldnet.att.net>
- 36) [46237] UTC?
by "George Goodroe" <goodroe@worldnet.att.net>
- 37) [46238] New item at site
by "L. B. Cebik" <cebik@utkux.utcc.utk.edu>
- 38) [46239] Simple Antenna Tuner
by "LB" <cyberoptics@pandora.be>
- 39) [46240] Re: UTC?
by "Tom Hybiske" <hybiske@generalatronics.com>
- 40) [46241] Re: Toner Transfer System
by "Chuck Carpenter" <w5usj@globeco.net>
- 41) [46242] Help IDing Coax
by "Alex" <aturner@netunlimited.net>
- 42) [46243] Regarding UTC
by "George Goodroe" <goodroe@worldnet.att.net>
- 43) [46244] Re: Q-dope substitute

by James Owen <owen@piper.eeel.nist.gov>
44) [46245] RE: Q-dope substitute
by "Scott, Gary" <gary.scott@bellhowell.infolearning.com>
45) [46246] Re: Identifying bipolar transistors [long]
by pilant@seesaw.zko.dec.com (L. Mark Pilant - MS ZK03-4/Y02 DTN 264-1529)
46) [46247] re; Tokyo Hy-power HT750
by Tom M <tjmc@erols.com>
47) [46248] QRP Contesting: Aug '99
by Ken Newman <N2CQ@citnet.com>
48) [46249] AR QRP 40m Net Tonight!
by Robsparks@aol.com
49) [46250] Re: Ft. Tuthill Report with Pictures
by "Chuck Adams K5F0" <adams@ticnet.com>
50) [46251] Re: 12V+ solar panel that\'s close to 8x8"?
by Zack Lau <zlau@arrl.org>
51) [46252] Re: Finding Qrp Circuits!
by GElam30092@aol.com
52) [46253] Norcal 38s
by Patrick Franzis <old_radios@yahoo.com>
53) [46254] Heath uMatic keyer info needed
by "Richard E. Robinson" <rerobins@email.uncc.edu>
54) [46255] QRP Quarterly
by Karl.Kanalz@optelinc.com
55) [46256] Re: UTC?
by Bob Nielsen <nielsen@primenet.com>
56) [46257] K5F0 now K7Q0/5
by "Chuck Adams K5F0" <adams@ticnet.com>
57) [46258] Understanding/Producing Scientific Literature
by "L. B. Cebik" <cebik@utkux.utcc.utk.edu>
58) [46259]
by Larry East <w1hue@amsat.org>
59) [46260] Re: K5F0 now K7Q0/5
by "Richard E. Robinson" <rerobins@email.uncc.edu>
60) [46261] Re: Help IDing Coax
by "Radman" <radman@best.com>
61) [46262] Re: UTC?
by Stewart Bryant <stewart.bryant@virgin.net>
62) [46263] Re: New item at site
by Bob Nielsen <nielsen@primenet.com>
63) [46264] Ethernet Terminators as dummy loads
by Bill Jones <kd7s@psnw.com>
64) [46265] QRP Contesting: Aug '99 MISSING ONE!
by "Pete Meier" <pete.meier@lmsna.com>
65) [46266] More info on Shorty 20m ant.
by "Alex" <aturner@netunlimited.net>
66) [46267] Nail Clipper Paddle
by "Randy Jouett" <rules@bellsouth.net>
67) [46268] Re: Q-dope substitute

- by "Randy Jouett" <rules@bellsouth.net>
- 68) [46269] HELPING A HAM.
by Drbob92031@aol.com
- 69) [46270] Re: Toner Transfer System
by "Steven Weber" <kd1jv@moose.ncia.net>
- 70) [46271] RE: HELPING A HAM.
by "Alex Mendelsohn" <ai2q@ispchannel.com>
- 71) [46272] K7Q0, learning new call
by Oscar A Hoyt <k5ubs@juno.com>
- 72) [46273] RE: Ethernet Terminators as dummy loads
by "Kevin Muenzler WB5RUE" <wb5rue@stic.net>
- 73) [46274] Re: Ft. Tuthill Report with Pictures
by Bruce Kizerian <kizerian@ced.utah.edu>
- 74) [46275] Free 2N2/40 Board and T-Shirt
by Larry East <w1hue@amsat.org>
- 75) [46276] Re: Q-dope substitute
by Ted Beach <k4mkx@netzero.net>
- 76) [46277] Re: K5FO now K7Q0/5
by Michael Maiorana <mikemo@ibm.net>
- 77) [46278] Re: Heathkit Q-meter - operating instructions?
by "George T. Baker" <w5yr@swbell.net>
- 78) [46279] White LED Enlightenment - Home Power Magazine
by Jim Larsen AL7FS <al7fs@pobox.alaska.net>
- 79) [46280] Re: HELPING A HAM.
by "George T. Baker" <w5yr@swbell.net>
- 80) [46281] Operating contests and DXing....
by Monte Stark <ku7y@dri.edu>
- 81) [46282] Free TiCK Keyer
by Larry East <w1hue@amsat.org>
- 82) [46283] TenTec Scout 555 info
by rpruner@us.ibm.com
- 83) [46284] QRP fun - big distance, small wattage
by Brien Pepperdine <pepperb@gov.on.ca>
- 84) [46285] RE: White LED Enlightenment - Home Power Magazine
by Dave Barrett <DBarrett@creo.com>
- 85) [46286] Re: Crystal QRP radio
by w4bws@juno.com
- 86) [46287] Re: Crystal QRP radio
by w4bws@juno.com
- 87) [46288] Re: UTC?
by Bob Nielsen <nielsen@primenet.com>
- 88) [46289] Austin SummerFest August 6th+
by "Chuck Adams K5FO" <adams@ticnet.com>
- 89) [46290] G5RV antenna, less than \$30 YES!
by "rohre" <rohre@arlut.utexas.edu>
- 90) [46291] square law diode detector apps
by Glen Leinweber <leinwebe@mcmail.cis.McMaster.CA>
- 91) [46292] Need 2N2/40 PA Heatsinks?

- by "Dennis Payton" <dpayton@fwi.com>
- 92) [46293] Re: Ethernet terminator for dummy load
by david fouchey <dafouchey@home.com>
- 93) [46294] Russian Beacons on 7.039
by "Philip G. Collier" <borealis@juno.com>
- 94) [46295] Mizuho/Tokyo Hy-Power HF Radio's page
by "K.Edwards" <kedwards@mindspring.com>
- 95) [46296] Test of Time/ Date Do not read
by Jeff Grudin <grudin@pacific.vdbs.com>
- 96) [46297] Lake Perris QRP Society Monthly Meetings..
by "Phinizy, William" <wphinizy@filenet.com>
- 97) [46298] Telephone RFI, progress report
by Jim NOUR <n0ur@yahoo.com>
- 98) [46299] Re: 2n2/40
by K2UD@aol.com
- 99) [46300] Re: SD-20 still available?
by K2UD@aol.com
- 100) [46301] product information
by Ron Ries <lawnmower@theriver.com>
- 101) [46302] tnx es question re cable TV coax
by David J Zolin <kb3dzh@juno.com>
- 102) [46303] Re: product information
by GElam30092@aol.com
- 103) [46304] G3YCC's Antenna Anthology
by "Frank G3YCC" <frank@g3ycc.karoo.co.uk>
- 104) [46305] Q-dope substitute
by "Ian C. Purdie VK2TIP" <ianpurdie@integritynet.com.au>
- 105) [46306] 2N22/40 Parts
by Elliott Lawrence <edl@pacbell.net>

Date: Tue, 27 Jul 1999 17:06:17 -0600
From: Bruce Kizerian <kizerian@ced.utah.edu>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [46202] Re: Paddle handles broken or unattractive?
Message-ID: <379E3B68.F7A7E21A@ced.utah.edu>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

...and if the picks don't work out for you, send them to me. I'll use them for their intended purpose. Kidding aside, make sure you get the thickest ones you can find. Some picks are very thin and probably would not work well.

Bruce kk7zz

Phinizy, William wrote:

> This is *not* an original idea, but for a set of paddles whose plastic or
> wooden handles (paddles?) have broken or otherwise disintegrated, zoom down
> to a music store or guitar shop and paw through their collection of picks.
> There are some that are surprisingly stiff and attractively colored
> (coloured, for those in Canada and the U.K.). It sure saves the aggravation
> of getting two pieces of plexiglas or wood identical size, shapes, etc. and
> reduces one's efforts to drilling the appropriate holes..
>
> ..it's kind of a cheezy look for \$100+ Benchers, Vibroplexes, or other such
> pricey instruments, but for those homebrew or more modestly priced paddles,
> it is just the ticket..

Date: Tue, 27 Jul 1999 19:05:47 -0400
From: Lee Jarvis <l2jarvis@mindspring.com>
To: qrp-1@Lehigh.EDU
Subject: [46203] SOLD! FS: SW40+ and WM20
Message-ID: <3.0.6.32.19990727190547.007d7bd0@mindspring.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

WOW! What a response!

73
DE KN4VN

Date: Tue, 27 Jul 1999 16:16:15 -0700
From: Jim Lowman <jmllowman@ix.netcom.com>
To: "William Phinizy" <k6whp@gte.net>, "Oppen, John" <oppen@c17m.mdc.com>
Cc: "kj6hz (John Oppen)" <oppen@c17m.mdc.com>, "ab6co (Tedd Wong)"
<wong_th@eng.printronic.com>, "ac6uv (Gody Siason)" <Gody99@aol.com>,
"ac6xk (Lorraine Aubert)" <lya@juno.com>, "ad6hr (Barry Geipel)"
<bgeipel@primenet.com>, "Bill Chambers (Weaver)" <chambers.bill@aaa-calif.com>,
Subject: [46204] Ft. Tuthill
Message-ID: <4.1.19990727151601.009e0ed0@ix.netcom.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

We arrived back in the area yesterday, after spending Sunday night

in Phoenix on the way home. It was much warmer in Phoenix, and the Sunday traffic from Flagstaff was terrible.

This was our first run to Ft. Tuthill, and that hamfest definitely goes on the schedule for 2000 and beyond.

We rolled into Flagstaff by mid-afternoon on Thursday, and got settled in at our hotel. Not a bad drive from the San Bernardino area - seven hours, with a stop for lunch and another for gas.

Although the weather was threatening throughout, it didn't cause too many problems. Some of the swappers were apprehensive, though, and had their wares covered with tarps or plastic. I got soaked getting the car after dinner on Thursday, but it felt pretty good after the hot, dry summer in SoCal.

We spent most of Friday afternoon cruising the swapmeet and the commercial vendors, knowing that Saturday was a big QRP day. The sheer amount of HF gear at the swapmeet was mind-boggling. In just Heathkits alone, there must have been nearly one of every model ever made for sale, and most in great cosmetic condition. Far better than what we see at the swapmeets here. Also lots of Drake, some Collins, and a lot of old military boatanchors.

One of the personal highlights was picking up a Ten-Tec 405 amp. from Larry, W1HUE. Also got the matching model 251 power supply. Larry was indeed modest with his assessment of their condition. Except for a couple of small scratches on the top of the 405, I would rate both units as collector quality. For those who aren't familiar with the 405 amp, it dates back to 1972, and gives 50 watts out for 5w in. This will be a nice complement to my Ten-Tec Argonauts 515 and 556.

At the same time, I got to play with a working K2 that Neil, WA7SSA had hooked up at the campsite. That will give me some real inspiration to finish mine. What a radio!

The QRP forum on Saturday was excellent. Many thanks to the AZ ScQRPions (how is that pronounced, anyway?) for all their hard work in inviting speakers like Chuck Adams and Paul Harden, and for arranging to have QRP vendors like Dave Benson present. Also, thanks to the other QRP vendors who donated prizes. My losing streak of 0-for-6 conventions came to an end when I won a QRP-L archive CD.

It was nice to see others from the Lake Perris QRP Society there - Bill and Bill (K6WHP and K6BNC), Gody, Sam, Norm and Veda. Seems like most of us won something, so there should be a good

show-and-tell at our August get-together. Gody was the big winner, taking home a Red Hot Radio.

We skipped the morning talks on Sunday, showing up for the prize drawing at 1:00. Looked like the rest of the LPQS crowd had already departed. Predictably, we didn't win any of the big prizes. Judy and I are now collectively 1-13 in prizes won at seven conventions.

I have a couple of things to give away at our next gathering: the prior version of the QRZ! CD and an extra QRP-L Archives CD. You will need to be able to read CDs in UDF format for the latter.

I know that I've glossed over a lot, but perhaps the others who attended can fill in the blanks, for those who weren't there. Hope someone took some pictures!

72 de Jim - AD6CW

Date: Tue, 27 Jul 1999 16:37:31 -0700
From: Jim Lowman <jmlowman@ix.netcom.com>
To: marion@montana.com, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [46205] Re: INFO PAGE FOR ARGONUAT 515
Message-ID: <4.1.19990727163343.009e9c80@ix.netcom.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

At 02:41 PM 7/27/99 -0600, Roy wrote:

> Anyone know where a info page on the Ten-Tec Argonuat 515 ? The QRP-L page
> shows a picture but the specs are all blank. W8KC's page also has a
> picture, but no info. Anyone?

Hi, Roy. The "unofficial" Ten-Tec page is located at:
<http://pcd2.state.va.us/tentec/>
Click on the "transceivers" link, and then click on the "515" link. What you'll see is
a copy of the original sales flyer for the 515. If that isn't what you're looking for, let
me know what specs that you need, as I have a 515 and manual.

72 de Jim - AD6CW

Date: Tue, 27 Jul 1999 16:58:53 -0700
From: Jim Lowman <jmlowman@ix.netcom.com>
To: qrp-l@lehigh.edu
Subject: [46206] Ten-Tec 405 Amplifier and Model 251 P/S
Message-ID: <4.1.19990727165146.0095f3e0@ix.netcom.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Just to follow up, I had the pleasure of meeting Larry, W1HUE,
at the Ft. Tuthill Hamfest this weekend.

As you may recall, Larry had a Ten-Tec 509 and 300 Hz filter
for sale, as well as the model 405 amplifier and model 251
power supply.

Just for the record, Larry was quite modest with his
assessment of the condition of the 405/251. Except
for a couple of minor scratches on the fake-imitation-plastic-vinyl
top of the 405, both it and the matching P/S are collector
quality, in my estimation. The P/S looks like it just came
from Ten-Tec.

Anyway, thanks again, Larry. I'll have a lot of fun with both.

72 de Jim - AD6CW

Date: Tue, 27 Jul 1999 19:58:19 EDT
From: DENNISMO@aol.com
To: qrp-l@lehigh.edu
Subject: [46207] Re: RS Insulators
Message-ID: <8a8e23a3.24cfa19b@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hi Gang -

Tnx for the info on the RS closeout Insulators.

72 de Denny AD6EZ <><

Date: Tue, 27 Jul 1999 17:25:28 -0700
From: "al dawkins" <alk0frp@earthlink.net>
To: <qrp-l@lehigh.edu>
Subject: [46208] test post from K0FRP
Message-ID: <000701bed88f\$b2dcf2a0\$5ddd98a9@adawkins>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Found out my out going mail was set HTML . I hope this makes it on the list finally. Thanks to Gabe and Brad
AL Dawkins K0FRP

Date: Tue, 27 Jul 1999 20:33:45 -0400
From: "George Goodroe" <goodroe@worldnet.att.net>
To: "Qrp-L@Lehigh.Edu (E-mail)" <qrp-l@Lehigh.EDU>, <cars@k4ksa.org>, <w4dug@onelist.com>
Subject: [46209] RS close outs
Message-ID: <0000001bed890\$f3b26e80\$c38dfea9@ggoodroe>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Thanks to everyone who reminded me via email to go down to Radio Shack and check out the closeouts.

Besides the ceramic antenna insulators \$1.47 for (2), I also picked up the Pocket Weatheradio (12-244) 3 NOAA channels...\$9.97 closeout priced. Great for Skywarn!

I got that Travel Clock (63-959) that has UTC, and temperature, reduced to \$12.99, Great for the shack.

Happy shopping!

73 de KF4CPJ
George Goodroe, QRP-L #1943
St. Petersburg, Florida USA
80 Meter high noise capital of the USA <grin>
<http://home.att.net/~goodroe>

<http://www.qsl.net/kf4cpj>

Date: Tue, 27 Jul 1999 20:54:11 -0400 (EDT)
From: malman@world.std.com (Joel Malman)
To: qrp-l@Lehigh.EDU
Cc: k1qm@world.std.com
Subject: [46210] Not QRP: Scanner for sale
Message-ID: <199907280054.AA25238@world.std.com>
Mime-Version: 1.0
Content-Type: text/plain; charset=US-ASCII
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

For Sale
=====

ICOM IC-R10 Receiver / scanner. Top end scanner and HF/VHF receiver radio. Covers .5 MHz --> 1.2 Gig. This radio is a first class scanner and HF radio. HRO sells this radio for \$380. Receives CW, SSB (upper and lower, selectable) FM, AM, etc. 1000+ memory channels. More built-in options than you can shake a stick at. Includes duck antenna, 4 Ni-Cads, wall charger, manual and ICOM box. Free: Leather case.

HRO Price: \$380.00 without leather case
My Price: \$250.00

Such a deal...

--
/joel K1QM Concord, MA
QRP-L 337, QRP-ARCI 9305

Date: Tue, 27 Jul 1999 21:23:21 -0400
From: "George Goodroe" <goodroe@worldnet.att.net>
To: "Qrp-L@Lehigh.Edu (E-mail)" <qrp-l@Lehigh.EDU>, <cars@k4ksa.org>, <w4dug@onelist.com>
Subject: [46211] FS -DSP and Tuner
Message-ID: <000001bed897\$e17a42e0\$c38dfea9@ggoodroe>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

To All:

The Kenwood TS440S is SOLD

Still available :

MFJ 969 Roller Inductor Tuner covers 160M - 6M - like new with manual \$130

Timewave DSP-9+ - like new with box and manual \$145

Days 1-800-330-0030 x122

Or email kf4cpj@arrl.net

Thanks and 73 de KF4CPJ

George Goodroe, QRP-L #1943

St. Petersburg, Florida USA

80 Meter high noise capital of the USA <grin>

<http://home.att.net/~goodroe>

<http://www.qsl.net/kf4cpj>

Date: Tue, 27 Jul 1999 18:24:34 -0700

From: Russ Dow <n7dw@garlic.com>

To: hb9dnn@gmx.net

Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>

Subject: [46212] Re: Bad operating conditions in Greece

Message-ID: <379E5BD2.AA286FBF@garlic.com>

MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

Content-Transfer-Encoding: 7bit

Robert,

The important point is that you made a beginning. Congratulations!!!

Keep going -- you will improve with practice.

73/DX,

Russ N7DW

Robert M. Ganter wrote:

> unfortunately my two week vacation in Greece is over...

> Nevertheless, I made two great QSOs (my first CW contacts!) with two
> German stations. Just have to get better skilled to read CW...

>

>

> Robert M. Ganter HB9DNN

Date: Tue, 27 Jul 1999 21:28:46 -0400
From: S LYON <sslyon@worldnet.att.net>
To: qrp chat <qrp-l@Lehigh.EDU>
Subject: [46213] AA1MY Bumble log
Message-ID: <379E5CCE.EB314892@worldnet.att.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hi all -here's the summary:

tot q's: 20m = 27 x 2 =54
 40m = 14 =14
 ===== ===
 41 68 x 60 = 4080
BEE q's 20

Heard KL7, VE6, VE7, DL4, W6, XE1, on 20m.

Heat index well over 106, decided not to climb Mt Beacon. Biked/hiked to site on base slope overlooking the scenic Hudson. Surface temp. of rock unbelievable. Only some leaf shade available. (Drank over 2 qt. lemonade -didn't pee once.) Antenna: 66' dipole @ 45'. Rigs: DSW-20 @ 1.2W; SWL-40+ @ 2.2W. powered by 12V. Makita drill battery. Heat slowed ant. set-up so got late start. Also affected my brain as I must have called CQ 25% of the time -with the RIT on on my new DSW rig and never heard replies. Apologies to those who tried. It was a great experience, but I now know I'd rather freeze than roast. Looking forward to more of these.
72 -s-

--

'Seab' Lyon - AA1MY
Beacon NY USA FN-31
QRP-L 574 ARCI 9253

Date: Tue, 27 Jul 1999 18:56:39 -0700 (PDT)
From: Monte Stark <ku7y@dri.edu>
To: Low Power Amateur Radio <qrp-l@Lehigh.EDU>
Subject: [46214] Ft. Tuthill
Message-ID: <Pine.GS0.4.10.9907271842040.8096-1000000@rotor.dri.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi All,

Just arrived home from the best hamfest I've been to yet!

If you like great people, if you like pine trees, if you like camping, if you like great talks, if you like good food and etc, plan to be there at Ft. Tuthill next year!

Bob, KI7MN and Bertie, N7XJW Hightower had the thankless job of keeping all those things happening on time and in the right order.

Of course they had the help of all the AZ ScQRPions!

These folks really went way out of their way to make Carol and myself feel at home!

What a super event it was!

Our thanks to all involved. It was a pleasure to meet so many people and to see so many friends again.

Just got home a few hours ago.....nice trip with no troubles.

cul,

73, Ron, SOWP 5545M,

.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....
....ku7y@sage.dri.edu.....Washoe Lake, Nevada....
....QRP-L #17...ARS #49...NorCal #330.....NRA LIFE.....

Date: Tue, 27 Jul 1999 19:11:35 -0700 (PDT)
From: Jim Hale <kj5tf@yahoo.com>
To: QRP-L <qrp-l@Lehigh.EDU>
Subject: [46215] 12v solar panel
Message-ID: <19990728021135.4987.rocketmail@web703.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Try this place - dont know if they are still in
busness, but worth a try.

Jim KJ5TF

<http://www.plastecs.com/solar.htm>

Do You Yahoo!?
Get your free @yahoo.com address at <http://mail.yahoo.com>

Date: Tue, 27 Jul 1999 22:21:34 -0400
From: "Ron Polityka" <wb3aal@talon.net>
To: "QRP-L" <qrp-l@Lehigh.EDU>
Subject: [46216] TAC Contest 1999 Web Page Results
Message-ID: <05f001bed89f\$ea9cd920\$55e508cf@wb3aal>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hello Everyone,

Sorry about the delay in making this page for the 1999
results of the TAC contest. Click on this address:

http://www.kpsnet.com/wb3aal/Start_Page.htm

Then make your choice of HTML or the Text version of
the page. Click on TAC QRP Contest Results. I even
have everyone's score on a text page. I still have to add
everyone great Soap Box comments.

Thanks,

72 & 73
Good DXing

Ron Polityka
de WB3AAL
wb3aal@talon.net

vvv Eastern Pennsylvania QRP Web Page vvv
http://www.kpsnet.com/wb3aal/Start_Page.htm
Eastern Pennsylvania QRP Club Call --> N3EPA

EPA QRP #1	NJ QRP #179
KL7 QRP # 309	G-QRP # 3031
ARCI QRP # 5318	10 - X #13173
NorCal #	Zombie #625
ARS # 380	Bumblebee #15

SETI @ Home Project
<http://setiathome.ssl.berkeley.edu>

Date: Tue, 27 Jul 1999 21:39:24 -0500
From: "Charles Hamel" <cdhamel@pdq.net>
To: "QRP List" <qrp-l@Lehigh.EDU>
Subject: [46217] Success Story Long
Message-ID: <006d01bed8a2\$6bef50a0\$cc1b90d1@cdhamel>
MIME-Version: 1.0
Content-Type: text/plain;
charset="windows-1250"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hi all, Well I just returned from a Amateur Radio Testing session. I went to the testing session in hopes of passing my 13wpm code test and the General written portion, so I can get on 20 meters and enjoy some DX contacts (QRP of course).

Recently I found out that the 5wpm test I took and passed in 1993 was never submitted or lost, and dumb me never checked on it, and have been enjoying HF priveleges for about 5 years (oops). Well I get to the testing place with 15 minutes untill testing begins, and find out I need copies of my amateur license (DOHH) so off I go in a wild panic to make copies, get lost and finally find the place and make copies and get back about 5 minutes

after the testing begins, luckily for me they waited for me. Ok first comes the General written portion that I have been studying , 2 months using AA9PW's exam practice site

<http://www.biochem.mcw.edu/Postdocs/Simon/radio/exam.html>

well I take the test and I feel pretty comfortable about it. (I didn't know they move the multiple choice answers around on the real test real answer is B now instead of in the position I have been studying) or memorizing, luckily I read the answers also and breeze through the written portion.

Next comes the most intense nervousness. What the heck I will try 20wpm to get warmed up. Going into the 20wpm with a (theres no way I'm going to pass this attitude) First comes the practice code, OH MY GOD this is fast!! Faster than Farnsworth (18wpm characters) it had to be 20wpm characters and 20 wpm spacing, much faster than on AA9PW's 20 wpm page.

My code copy on the paper looked like chicken scratch and a odd Soviet Spy Code, with a few letters here and there, I answered 6 questions with a little confidence and had to reasonably deduct the other four. Well The Ve's said I was the best guesser they ever seen and I PASSED!!!! I am still in shock over passing the hardest part of the amateur radio exams. Thanks to everybody for the kind words and bearing with me on the simplest questions. YOU GUYS ARE THE GREATEST!!!!

well enough babbling, wheres my order form for the DSW20????

Cya there!!

Charles

KC5DXQ - Norcal Zombie - HQRP- QRP-L #1919

<http://www.angelfire.com/de/kc5dxq/index.html>

Date: Tue, 27 Jul 1999 22:40:06 -0400

From: "Alex Mendelsohn" <ai2q@ispchannel.com>

To: <jokortge@cwix.com>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Subject: [46218] 2N2/40 impressions

Message-ID: <000001bed8a2\$808bcde0\$5c32a7d0@mendelsohn.ispchannel.com>

MIME-Version: 1.0

Content-Type: text/plain;
charset="iso-8859-1"

Content-Transfer-Encoding: 8bit

Content-Transfer-Encoding: 8bit

Hi Jim:

Thanks for your nice note! In answer to your query, my impressions are

shaping up as I use the rig. Here are some thoughts.

Tonight I got bold, called CQ, and got a reply. Had a nice ragchew QSO too. Hee. Hee. Then I had three more QSOs in a row.

(1) I still think there's a tad too much gain in the IF strip, and plan to reduce the value of the bypass cap in the second stage's emitter circuit to see if I can get it to settle down. My two-board setup uses a coax cable fitted with SMA connectors at both ends to isolate the front-end from the IF strip, receive mixer, and audio section. So, it's a simple matter of disconnecting the cable to isolate the IF noise I occasionally hear; that seems to be the source of a tad of oscillation in there.

Gee, if I build another VFO and front-end/transmitter section, I could use the same IF/audio strip and go multi-band.....

(2) Back to present reality. The receiver is remarkably hot. I was copying DX on it before building up the transmit passband filter, and now that it's all together, it's still a hot performer. The input filter losses don't seem apparent at all, so I guess the filter passband is okay with the values and layout I used.

It's very sensitive, and I'm enjoying listening to both sides of QSOs between stateside and South America, Europe, and the Mediterranean. I use a doublet at 60-feet fed via open wire line through a balanced tuner.

(3) My transmitter section uses 3.3 ohm ballast resistors at the three 2N2222s in the P.A. because that's all I had in the junkbox. I'm not sure what the power output is (haven't set up any measurement gear yet), but the three transistors run cool, and my homemade heatsinks (a la the ARRL handbook) seem to be doing their job. Or, is my power so low that there's no discernible heat? Can you simulate the PA's operation with 3.3 ohm resistors in there instead of 2.2 ohm jobbies? What would the effect be of using the higher value resistors?

(4) I really like the fact that the sidetone is the actual transmitter I'm hearing, and not a separate sidetone oscillator. That gives me an ongoing confidence check.

(5) The VFO is rock stable. I used NPOs where you suggested, and also some high quality glass caps that I've used in oscillators before with good success. In any case, it doesn't drift. I cannot hear any change in frequency from a cold start, and it stays put throughout multiple QSOs. Very nice.

(6) The keying reports I'm getting are good, and it sounds good on my Omni-V too. Also, the T/R circuit is fast and smooth--very QSK, even at 25 WPM. There is some clicking in the sidetone, but nothing objectionable.

(7) I do find that, at times, if the AF pot is opened too far, the sidetone is too loud though. And, it sometimes seems to overload the audio amplifier, in spite of the back-to-back diode clamp in the muting/amplifier circuit. The effect is sort of like audio frequency shift. Have you noticed that?

Still, I can live with that, and once I get to package this lil critter in its enclosure, it'll be a simple matter to ride the AF gain control as needed.

(8) Haven't played much with the variable IF passband yet, as I don't have a 10-turn pot installed yet. I'll have to evaluate that later, but it does work.

Vy 73, AI2Q, Alex in Kennebunk, Maine .-.-.

Date: Tue, 27 Jul 1999 22:45:28 -0400
From: "Nick Yokanovich" <n0ny@toad.net>
To: <BuckPD@corning.com>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [46219] Re: SD-20 still available?
Message-ID: <002001bed8a3\$42308ee0\$527296d1@default>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Joel NF9K/0 asked:

>Anyone know if there are any new or surplus SD-20's still available from South Bend?

Cabela's (<http://www.cabelas.com/>) lists the 20' B'n'M Black Widow but it is out of stock.

Nick, K3NY

Date: Tue, 27 Jul 1999 23:04:44 -0400
From: Jim Stafford <w4qo@amsat.org>

To: QRP-L <qrp-l@lehigh.edu>, nogalist <nogaqrp@qth.net>, gaham <gaham@qth.net>, gaares <gaares@crash.hom.net>, matparcL <matparc@qth.net>
Subject: [46220] LINKDOC - GA QSO Party
Message-ID: <379E734B.DD1B6330@amsat.org>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Don't forget the GA QSO party this weekend.

July 31 and August 1, 1999.

There are two operating periods. 1800Z July 31 - 0359Z August 1 and 1400Z August 1 - 2359Z August 1. 20 hours total. All stations may operate the full 20 hours.

QRP DIVISION and AWARDS

LINKDOC: <http://www.contesting.com/secc/GaQsoParty.htm>

--

Jim Stafford, W4QO 770-993-9500 VP - QRPARCI #6515
+++The THRILL is back - QRP - what ham radio is all about!
+++<http://www.qrparci.org>

Date: Tue, 27 Jul 1999 22:25:40 -0500
From: Jim Ek <JIM-EK@worldnet.att.net>
To: "'Low Power Amateur Radio'" <qrp-l@Lehigh.EDU>
Subject: [46221] Crystal QRP radio
Message-ID: <01BED87F.0D8DDE00@120.indianapolis-08-09rs.in.dial-access.att.net>

Well I'm still here working on studying to take my technician license the first weekend in September. And nightly I spend about half an hour studying Morse Code.

This coming weekend I will be building a Regenerative Receiver kit by Ten tec with the local amateur club and that will probably be finished the same day.

I would like to try building on my own a transceiver, that is crystal controlled, from scratch with the exception of a schematic. Now lots of folks in the past have said that the Pixie wouldn't be a good one to start off with because it lacks sensitivity.

I'm looking for recommendations for a radio to build that is crystal controlled. Cheap, because I don't have a lot of confidence in by

electronic building skills yet. And yet if it does work will enable a neophyte like myself get some listening pleasure from it and later on when I get my "General" I will be able to use it for some transmitting.

Crystal frequency I plan on installing is 7.040.

Thanks much,
Jim

Date: Tue, 27 Jul 1999 23:43:09 -0400 (EDT)
From: "Paul R. Valko" <prvalko@oakland.edu>
To: Roy <marion@montana.com>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [46222] Re: INFO PAGE FOR ARGONUAT 515
Message-ID: <Pine.OSF.3.95.990727233717.22276A-100000@saturn4.acs.oakland.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Tue, 27 Jul 1999, Roy wrote:

> Anyone know where a info page on the Ten-Tec Argonuat 515 ? The QRP-L page
> shows a picture but the specs are all blank. W8KC's page also has a
> picture, but no info. Anyone? Roy, AB7CE, MT

Aw c'mon Roy, that's not fair. You never even asked me a question about the rig. What exactly do you want to know? I'm delighted to help.

You can still get a manual from Ten*Tec - I bet they'd even answer a question or two from you..

73! =paul= W8KC
Collector of Ten*Tecs and other fine plastics
<<http://www.acs.oakland.edu/~prvalko>>

Date: Tue, 27 Jul 1999 22:59:05 -0500
From: Lee Bahr <bahr521@earthlink.net>
To: qrp-l@Lehigh.EDU
Subject: [46223] 2N2/40 FINAL
Message-ID: <379E8009.FFEF4E1A@earthlink.net>

MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Has anyone used 5 or 6 2N2222s in the final for more power and installed an impedance transformer between the transistors and the pi output for a good match?

Lee Bahr w0vt

Date: Wed, 28 Jul 1999 00:04:17 -0400
From: Michael C Boatright <ko4wx@mindspring.com>
To: NOGA QRP Club <nogaqrp@qth.net>, QRP-L <qrp-l@Lehigh.EDU>
Subject: [46224] Web Page Updated
Message-ID: <379E8141.A0A31B8F@mindspring.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Just updated the NOGA web page (<http://www.qsl.net/~nogaqrp>) with info about the next meeting and the October Run for the Kudzu...

72 de Mike, K04WX

--
Mike Boatright, K04WX
District EC, GEMA, Amateur Radio Emergency Service

A rock pile ceases to be a rock pile the moment a single man contemplates it, bearing within him the image of a cathedral.
Antoine de Saint-Exupery

Date: Tue, 27 Jul 1999 21:33:52 -0700 (PDT)
From: Paul Erickson <paule@sfu.ca>
To: dafouchey@home.com
Cc: qrp-l@lehigh.edu (qrp)
Subject: [46225] Re: Ethernet terminator for dummy load
Message-ID: <199907280433.VAA00172@fraser.sfu.ca>
MIME-Version: 1.0
Content-Type: text/plain; charset=US-ASCII
Content-Transfer-Encoding: 7bit

Content-Transfer-Encoding: 7bit

Hi Dave,

Do you have to shim them to get a good fit with the T0-5 sink?

I just checked some out at a local store, and the fit was too loose to use the sinks available.

How much do they want for them there? The going rate is about \$5 for the terminators up here.

cheers, Paul VE7CQK/email: paule@sfu.ca

>

> The ones I have are also the metal ones and a T0-5 heat sink fits them
> just fine. Haven't tried them much above 5 watts though.

>

> Dave

> WA4EMR

>

> Todd McCoy wrote:

> >

> > Arjen Raateland wrote:

> >

> > > Fitting a (transistor) heat-sink should make them even better. I've
> > > never tried and the exact dimensions do differ from one to the other.

> >

> > The ones I got from a "show" vendor are in a metal case. I had not thought of
> > using them as dummy loads, but it seems like a good idea. Also the metal ones
> > would be even easier to adapt a heat-sink for.

> >

> > --

> > Todd McCoy: QRP-L #1823 | 10-X 70500

> > KB4DPF - Gloucester Co., Virginia

> > 37.2950 N, 76.4154 W | Grid: FM17

> > <http://www.qsl.net/kb4dpf>

> >

> >

> > -----
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> > <http://www.netzero.net/download/index.html>

>

Date: Tue, 27 Jul 1999 22:34:29 -0600 (CST)

From: Bruce Rattray <rattray@gpfn.sk.ca>

To: QRP-Canada <qrp-canada@lists.gpfn.sk.ca>, Low Power Group <qrp-l@LeHigh.EDU>
Subject: [46226] RF Oscillator (fwd)
Message-ID: <Pine.LNX.3.95.990727223213.22282A-1000000@neale.gpfn.sk.ca>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Seeing it's traditional that one must buy a flea of some sort if one attends a flea market, I came home with a Heath RF Oscillator Model IG-5280... ;-) ...no manual....mint condition....works...anyone know any info about this please?.....a manual or a copy would be good too..... inside it has two 9 volt batteries; BC3 & BC4 plus looks like positions for two other batteries; maybe not?....thought this would be good for my test-put-things-together-bench....thanks in advance....

..72/73 - Bruce (VE5RC+VE5QRP) QRP-C#1 QRP-L#886 ARCI#9683 Zombie#272
A-1 Operator Club - 10/10# 944 - 128 Durham Drive, Regina, SK.,
S4S-4Z2, Canada-AR Stamp Collector- "QRP! How sweet it is!"

Date: Wed, 28 Jul 1999 00:55:54 EDT
From: n5ib@juno.com
To: qrp-l@Lehigh.edu
Subject: [46227] Heathkit Q-meter - operating instructions?
Message-ID: <19990727.224715.4783.6.N5IB@juno.com>

Such is life - On the one hand I'm unloading old test gear - on the other I can't resist a boat anchor..

Picked up a Heathkit Q-Meter and a Heathkit Impedance Bridge for \$5 at our club auction night - no manuals for either, but apparently functional. Can anyone provide a succinct "how to use" for these relics?

72
Jim N5IB

Get the Internet just the way you want it.
Free software, free e-mail, and free Internet access for a month!
Try Juno Web: <http://dl.www.juno.com/dynoget/tagj>.

Date: Tue, 27 Jul 1999 22:30:52 -0700

From: "Bill Todd" <bill@willapabay.org>
To: <nwq=1@scn.org>
Cc: "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [46228] "NWQ" Newsletter update
Message-ID: <002b01bed8ba\$5c8836a0\$94added1@bill>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hello folks -

I just finished uploading the latest additions to the July/August "NWQ" Newsletter.
I hope you enjoy reading it.

One of the attendees at the June 99' SEAPAC QRP Forum actually RECORDED each of the speakers presentations. I have had to edit the verbatim presentations just a little, but the written text is faithful to the subject matter and style of the presenters.

The first two talks are on my web page, i.e., MY introductory remarks to the Forum, and Bruce, KG7CR's presentation. If there are any misspellings of words or names, it is my own fault, and obviously not that of the various presenters. When people speak, they don't need a Spell Checker (ha ha).

CUL, Bill-N7MFB
<http://www.willapabay.org/~bill>

Date: Wed, 28 Jul 1999 00:01:55 -0700
From: Jerry Parker <jparker@fix.net>
To: qrp-1@LeHigh.edu
Subject: [46229] Ft. Tuthill Report with Pictures
Message-ID: <3.0.6.32.19990728000155.00feb290@fix.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

I have put together a report on my trip to Ft. Tuthill
along with photos of the happenings.

<http://www.fix.net/~jparker/norcal/fttuthill/tuthill.htm>

I had a GREAT time!

Enjoy,,,72,,,Jerry...WA6OWR...K

Date: Wed, 28 Jul 1999 00:46:20 PDT
From: "Leon Heller" <leon_heller@hotmail.com>
To: Davewb4@aol.com, qrp-1@Lehigh.EDU
Subject: [46230] Re: Toner Transfer System
Message-ID: <19990728074621.6614.qmail@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

>
>Hi Gang: has anyone used the "Toner Transfer System" for making one off PC
>boards? If so how were the results?

A former colleague of mine uses it *very* successfully. I got some of the Press-n-Peel stuff he uses and tried it. It needs quite a lot of trial and error before one gets it to work properly - iron temp., pressure, etc. You can reduce the amount of wasted Press-n-Peel by cutting the amount you need to size from the sheet, and sticking it to a standard sheet of paper with Sellotape before making the copy. Of course, you need to stick it down in the right place. 8-)

73, Leon

Leon Heller, G1HSM
Tel: +44 (0)1327 357824
leon_heller@hotmail.com
<http://www.geocities.com/SiliconValley/Code/1835>

Get Your Private, Free Email at <http://www.hotmail.com>

Date: Wed, 28 Jul 1999 09:58:36 +0200

From: "LB" <cyberoptics@pandora.be>
To: <montp@synacom.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [46231] Re: Play a text file in CW?
Message-ID: <005501bed8ce\$ff185580\$14008b1b@pandora.be>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

This will shurely do the trick for you,
73's
de ON9AAV

----- Original Message -----

From: Mont Pierce, KM6WT <montp@synacom.com>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Sent: dinsdag 27 juli 1999 20:12
Subject: Play a text file in CW?

I'm looking for a program that will play CW out the sound card
from a text file. I want to run it in a window on Win98.

SuperMorse would work if I was using win95, but they've changed
the timeslicing algorythms in win98 and it SM no longer works...

Any ideas?

tnx & 72,
mont/km6wt

--

~~~~~  
~~~~~  
John 3:16: "God loved the world so much that he gave his
 only-begotten Son, in order that everyone
 exercising faith in him might not be destroyed
 but have everlasting life."
~~~~~  
~~~~~

Date: Wed, 28 Jul 1999 06:26:24 -0400
From: "Dan Wolfe" <n4roa@mounet.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [46232] BB Fun
Message-ID: <01bed8e3\$a4dd60a0\$LocalHost@default>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Howdy All,

Yep, another very fine exhibition of "How to Have Fun" has been demonstrated by the MOB (meeting of bee's). As usual, ole Murphy (stupidity) and some of his kin was on the scene. Every year it seems like I run into him. Do any fo you ever see him?

First off, I had to change my operating spot. We have had a lot of storms here lately with plenty of wind, rain, lightning, etc. Due to threat of bad weather, I decided to operate from a different spot. It is located about 30 miles from the original site on a different mountain (Powell). I chose this spot because I have a cabin located there right on top. The antenna from FD had not been taken down yet, so why not use it? A 500 ft. loop with my small tuner should do ok. heeh heeh

Did not have much time but was ready when the bee's started doing their thing. The first hour I spent calling CQ and even trying to answer a few very loud signals but it seemed they could not hear me. For those of you that tried to call me, I was using the ole "transmit on one frequency and listen on another" trick. Finally resolved the problem and made a few contacts the last 3 hours. I talked to a friend (N4DD, Dennis) after the event, and he said he called me at least 20 times. Oh the trials and troubles we bees have to overcome. Oh yeah, I did finally work Dennis on 20 and 15M.

Anyway, a fun time was had and am already looking forward to next year. Can hardly wait to see what happens next. Whatever, it will be a good, enjoyable, learning experience.

Since my operation was not in the spirit of the game (hike, bike, boat, to the operating site), I respectfully withdraw my score for consideration of any award. I get to keep the fun part though.

Here it is.....

N4ROA BB# 71

40 contacts on 15 and 20M for 80 points
16 contacts on 40M for 16 points
24 bee's blasted

96 points X (24 X 3) = 6,912 score

Thanks to the ARS for the fun event and to all who
participated. See you in an upcoming QRP event
right on frequency..hee hee

72...Dan, N4ROA

Date: Wed, 28 Jul 1999 08:29:01 -0300
From: "Kleibe Jacinto de Araujo" <kleibe@dgo.mc.gov.br>
To: <qrp-1@lehigh.edu>
Subject: [46233] a
Message-ID: <003f01bed8ec\$642ced60\$2d3e370a@er7-000117.mc.gov.br>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

t

Date: Wed, 28 Jul 1999 07:55:32 -0400 (EDT)
From: "L. B. Cebik" <cebik@utkux.utcc.utk.edu>
To: Joel Malman <malman@world.std.com>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [46234] Re: Manuals
Message-ID: <Pine.GS0.4.10.9907280747180.8009-1000000@moe.cas.utk.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Tue, 27 Jul 1999, Joel Malman wrote:

>A note to all manual writers:

>

> PLEASE, PLEASE, include an index in all the documents you write.
>
> These days, it's so easy to do an index. My guess is that all
> the popular word processors include software for doing an index.

I concur. But also please carefully review what the software does automatically. In a book I have finished for Nittany-Scientific, I put the words "Antenna model" in the list, and the indexed entry listed every page on which the phrase occurred--all but 3 pages in the book. Since an Index should be a guide to the reader, it is still important for the writer to decide which page references are significant enough for entry and which should be ignored as an incidental use of a word or phrase.

It is also important to logically group entries. This may require some copying and pasting. For example, there are separate entries for Yagis and for ZL-Specials in alphabetic order, but there is also an entry for "Antenna Types" with these as subheadings (giving the reader not only 2 chances to find what he/she needs, but also leading the reader to possibly related material).

Indices call for as much attention as any part of the text, since they form an alternative roadmap to the table of contents for finding one's way around a book or manual.

-73-

LB, W4RNL

Date: Wed, 28 Jul 1999 09:00:12 -0300
From: "Kleibe Jacinto de Araujo" <kleibe@dgo.mc.gov.br>
To: <qrp-1@lehigh.edu>
Subject: [46235] Finding Qrp Circuits!
Message-ID: <005701bed8f0\$bf66f960\$2d3e370a@er7-000117.mc.gov.br>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

hi Gang,

Im a new user and finding for any qrp circuit schematics or others

thanks for any help.

kleibe - brazil

Date: Wed, 28 Jul 1999 07:09:21 -0500
From: "John Burnley" <burnley-ia@worldnet.att.net>
To: <qrp-1@lehigh.edu>
Subject: [46236] Re: SD-20 still available?
Message-ID: <19990728120851.GGBM27673@burnley-ppp>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

For those of you looking for a SD-20
fishing pole for those St. Louis
vertical projects, you may find them at:

National Sports

Email: natlspts@execpc.com

phone: 1-877-ICE-FISH (toll free)

Price: \$21.99 plus about \$4.00 for
shipping to Iowa (may be
more to your location). For multiple poles,
the shipping will vary.

This info is a few months old (an item in an earlier IAQRP
newsletter) but the phone number is still
good (I checked this morning but it was before regular
business hours).

72, John NU0V

Date: Wed, 28 Jul 1999 08:12:23 -0400
From: "George Goodroe" <goodroe@worldnet.att.net>
To: "Qrp-L@Lehigh.Edu (E-mail)" <qrp-1@Lehigh.EDU>
Subject: [46237] UTC?
Message-ID: <000101bed8f2\$78ba19a0\$c38dfea9@ggoodroe>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hello All,

A rank greenhorn here confused about UTC.

I am in Florida on EST...how would I calculate UTC?

Also...is UTC the same as London, United Kingdom time? Does UTC change like with our daylight savings time?

The reason for all of this is my computer UTC program says one thing and Londons time (which I thought was UTC) was one hour off!

Thanks for any help.

Timeless in St. Petersburg, FL

73 de KF4CPJ
George

Date: Wed, 28 Jul 1999 08:17:05 -0400 (EDT)
From: "L. B. Cebik" <cebik@utkx.utcc.utk.edu>
To: QRP-L List <qrp-l@lehigh.edu>, gqrp@onelist.com, towertalk@contesting.com, antennas@qth.net, antennaware@contesting.com
Subject: [46238] New item at site
Message-ID: <Pine.GS0.4.10.9907280812490.9410-100000@moe.cas.utk.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

As an interesting exercise in self-edification, I put together a small item in the VHF section of the index called "Phased Yagis, EDZ Beams, and Landsdorfer-Sacher Yagis," which looks at their properties with an eye toward similarities. The models are 2-meter versions, but may be scaled to any other frequency.

I hope the individual who sent me the initial model of the L-S Yagi after going through all the hard work of translating a paper graphic into a usable model will contact me again--I'd like to add proper credit for the model source to the note. The original exchange has become lost in a sea of paper here.

I hope the note is useful to someone.

-73-

LB, W4RNL

L. B. Cebik, W4RNL /\ /\ * / / / (Off) (423) 974-7215
1434 High Mesa Drive / \ / \ / ----/\---- (Hm) (423) 938-6335
Knoxville, Tennessee /\ \ \ \ / / || / (FAX) (423) 974-3509
37938-4443 USA / \ \ \ || cebik@utk.edu
 URL: <http://web.utk.edu/~cebik/radio.html>

Date: Wed, 28 Jul 1999 14:21:57 +0200
From: "LB" <cyberoptics@pandora.be>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [46239] Simple Antenna Tuner
Message-ID: <00f101bed8f3\$c93ca540\$14008b1b@pandora.be>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hi,

Need a small Antenna Tuner, to take on my camping trip two weeks
from now; any good schematic is welcome.(40 Meters only)

73's
de ON9AAV

Date: Wed, 28 Jul 1999 08:39:16 -0400
From: "Tom Hybiske" <hybiske@generalatronics.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [46240] Re: UTC?
Message-ID: <00c901bed8f6\$37b02e00\$8c68f326@generalatronics.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hi George,

UTC is synonymous with "Greenwich Mean Time" or GMT. UTC or "Coordinated Universal Time" remains constant, never changing for daylight savings time. For your example, EST is local time + 5hours. When you're in EDST, it would be local time + 4. Got it? If you have a general coverage receiver, you might want to check out WWV on 10, 15, 20 MHz. (I'm missing another freq, I know it). They broadcast the time in UTC announcing every minute, along with hourly solar reports, and the like.

7 3,

Tom K3GM

> A rank greenhorn here confused about UTC.
>
> I am in Florida on EST...how would I calculate UTC?
>
> Also...is UTC the same as London, United Kingdom time? Does UTC change like
> with our daylight savings time?
>
> The reason for all of this is my computer UTC program says one thing and
> Londons time (which I thought was UTC) was one hour off!
>
> Thanks for any help.
>
> Timeless in St. Petersburg, FL
>
> 73 de KF4CPJ
> George

Date: Wed, 28 Jul 1999 07:42:35 -0500
From: "Chuck Carpenter" <w5usj@globeco.net>
To: Davewb4@aol.com, qrp-1@Lehigh.EDU
Subject: [46241] Re: Toner Transfer System
Message-ID: <3.0.2.32.19990728074235.007aeb80@bosshog.globeco.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Hi Dave et al,

Back a few years ago, I used the Xerographic process for depositing etch resist on PCBs. It was a marginal process at best. The quality may be better by now because of finer grade toners now available and other process

enhancements. Most of the problems were ragged edges along the traces, and holes in the resist that could be penetrated by the etchant.

If I were still doing this sort of thing, I'd look for one of the photo resist processes. The quality of even the types available 25 years ago was superior to any toner process I have used or could imagine. I think I'd even go for a peel-and-stick process over toner 8^)...

Chuck Carpenter, EM22cv, Point, Rains County, Texas

Date: Wed, 28 Jul 1999 08:53:07 -0400
From: "Alex" <aturner@netunlimited.net>
To: <qrp-1@lehigh.edu>
Subject: [46242] Help IDing Coax
Message-ID: <006d01bed8f8\$244d7e60\$8829f3d0@pentium-ii>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

I ran across a roll of new coax, still hidden from the last move, there is no identifying labels that I can understand. I'm sure someone here can help. It's 3/16" O.D., has very good shielding, center conductor is stranded, 1/16". A note attached says it is flexible hardline, markings by the mfg. are Flexi -4XL 8IIA.

tnx
N4BYJ

Date: Wed, 28 Jul 1999 08:54:18 -0400
From: "George Goodroe" <goodroe@worldnet.att.net>
To: "Qrp-L@Lehigh.Edu (E-mail)" <qrp-1@Lehigh.EDU>
Subject: [46243] Regarding UTC
Message-ID: <000201bed8f8\$5232c2e0\$c38dfea9@ggoodroe>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Thanks to all for the responses...There were many!

One of the best was from Mac KF4KSM...who sent:

<http://www.extremezone.com/~ki7mn/utccconv.htm>

Thanks again and 73 de KF4CPJ

Date: Wed, 28 Jul 1999 09:18:25 -0400
From: James Owen <owen@piper.eeel.nist.gov>
To: qrp-l@lehigh.edu
Subject: [46244] Re: Q-dope substitute
Message-ID: <379F0321.8B7061E9@piper.eeel.nist.gov>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

> Try "clear" non-yellow hot glue. Avoid colored pigments. I think hot glue
> works well, but I have been wrong before. So, you probably should test it.

I've been following the thread on Q-dope substitutes and I guess I'm
missing something here BUT why all the trouble? Why not just buy a
bottle of the real stuff? It's easily available from many sources. One
is Ocean State Electronics 1-800-866-6626 part number 10-3702 2 fl oz
for \$3.75.

72 Jim K4CGY qrp-l #72

Date: Wed, 28 Jul 1999 09:23:46 -0400
From: "Scott, Gary" <gary.scott@bellhowell.infolearning.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [46245] RE: Q-dope substitute
Message-ID: <ACB991DAAFC9D011B0A700805FC1AF1804D508D0@zeeb-nt01.umi.bhowell.com>
MIME-Version: 1.0
Content-Type: text/plain

I use finger nail polish! It works great and it's cheap. You may want to
have you wife purchase it for you though!

> -----
> From: James Owen[SMTP:owen@piper.eeel.nist.gov]
> Reply To: owen@piper.eeel.nist.gov
> Sent: Wednesday, July 28, 1999 9:18 AM

> To: Low Power Amateur Radio Discussion
> Subject: Re: Q-dope substitute
>
>
>
>
> > Try "clear" non-yellow hot glue. Avoid colored pigments. I think hot
> glue
> > works well, but I have been wrong before. So, you probably should test
> it.
>
> I've been following the thread on Q-dope substitutes and I guess I'm
> missing something here BUT why all the trouble? Why not just buy a
> bottle of the real stuff? It's easily available from many sources. One
> is Ocean State Electronics 1-800-866-6626 part number 10-3702 2 fl oz
> for \$3.75.
>
> 72 Jim K4CGY qrp-l #72
>

Date: Wed, 28 Jul 1999 09:38:20 -0400 (EDT)
From: pilant@seesaw.zko.dec.com (L. Mark Pilant - MS ZK03-4/Y02 DTN 264-1529)
To: qrp-l@lehigh.edu
Subject: [46246] Re: Identifying bipolar transistors [long]
Message-ID: <99072809382085@seesaw.zko.dec.com>

With regard to identifying the leads of bipolar transistors, Popular Electronics or Electronics Now (I get both and can't remember exactly which one) in the past year or two carried a construction article for just such a "box".

The nice thing about this piece was it used three leads to connect to the device, two LEDs to identify the type, and a single rotary switch to identify the lead configuration. All the "magic" was in the wiring of the switch. As I recall, it was simply a matter of connecting up the test leads and rotating the switch until one of the LEDs came on.

I'll try and find the article in the next couple of days. (Although it may take longer since I'll be looking for it :-) :-)

73

- Mark N1VQW

Date: Wed, 28 Jul 1999 09:42:59 -0400
From: Tom M <tjmc@erols.com>
To: QRP-L <qrp-l@lehigh.edu>
Subject: [46247] re; Tokyo Hy-power HT750
Message-ID: <379F08E3.CE84EEE8@erols.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

To all thinking of ordering a HT 750, The below was received by a person wishing one.
Looks like there's only the used market for a while.

73
Tom AA2VK

> Subject: Re: Quote on HT-750 to USA
>
>
> Dear sir,
>
> We have sold out current stock of HT-750.
> Next production may start 2Q 2000.
>
> Thank you for interest.
>
> Regards,
> Tokyo Hy-Power
>
>

Date: Wed, 28 Jul 1999 09:40:27 -0400
From: Ken Newman <N2CQ@citnet.com>
To: QRP-L@lehigh.edu
Subject: [46248] QRP Contesting: Aug '99
Message-ID: <3.0.6.32.19990728094027.00878b70@mail.citnet.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

QRP Contesters,
Check below for a calendar of QRP Contesting in Aug '99. If you

want to refer to the calendar later, it will be posted on the websites

<http://www.njqrp.org/data/contesting.html>

and

<http://www.kpsnet.com/wb3aal/Pages/Contest.htm>

Are you ready to be a BUBBA? Go portable in the CQC Summer QSO Party for heat training before the BUBBA Sprint comes up!

Both should be fun inside or out.

There are several good ones this month with QRP Category.

The MD/DC Party and the Ohio Party can be fun with QRP.

The Ohio Party with QRP allows a 5 times multiplier for a high score.

Real competition with the QRO Bunch!

Don't forget the reliable ARS Spartan Sprint on the first Monday evening of *EVERY* month.

72 de Ken - N2CQ

QRP CONTEST CALENDAR

August 1999

Georgia QSO Party (CW/SSB) ... QRP Category

Jul 31 - 1800z to Aug 1 - 0359z

Aug 01 - 1400z to Aug 1 - 2359z

Rules: <http://www.contesting.com/secc/GaQsoParty.htm>

QRP ARCI Summer Daze SSB Sprint (SSB) *** QRP CONTEST! ***

Aug 01 - 2000z to 2400z

Rules: <http://www.qrparci.org/sumdaz.htm>

Adventure Radio Spartan Sprint (CW) *** QRP CONTEST! ***

Aug 3 - 0100z to 0300z

Rules: http://www.natworld.com/ars/pages/spartan_sprints/ss_rules.html

~~~~~  
North American QSO Party (CW) ... QRP Interest

Aug 7 - 1800z to Aug 8 - 0600z

Rules: <http://www.waterw.com/~ncj/naqso.htm>

~~~~~  
Maryland/DC QSO Party (SSB/CW) ... QRP Category

Aug 14 - 1600z to Aug 15 - 0400z

Aug 15 - 1600z to Aug 15 - 2300z

Rules: <http://www.qsl.net/w3cwc/mdcqso.htm>

~~~~~  
North American QSO Party (SSB) ... QRP Interest

Aug 21 - 1800z to Aug 22 - 0600z

Rules: <http://www.waterw.com/~ncj/naqso.htm>

~~~~~  
NJ QSO Party (CW/SSB) ... NOT QRP

Aug 21 - 2000z to Aug 22 - 0700z

Aug 22 - 1300z to Aug 23 - 0200z

Rules: <http://www.arrl.org/contests/months/aug.html>

~~~~~  
Colorado QRP Club - Summer QSO Party (SSB/CW) \*\*\* QRP CONTEST! \*\*\*

Aug 22- 1800z to 2400z

Rules: <http://home.sol.no/~jana1me/htmlrules/cqcsummer.html>

~~~~~  
Hawaii QSO Party (CW/SSB) ... QRP Category

Aug 28 - 1600z to Aug 29 - 2200z

Rules: <http://home.sol.no/~jana1me/htmlrules/qsohi.html>

~~~~~  
Ohio QSO Party (CW/SSB) ... QRP Category

Aug 28 - 1600z to Aug 29 - 0400z

Rules: <http://www.qsl.net/mrrc/oqp.html>

~~~~~  
South Dakota QSO Party (CW/SSB)... QRP Category

Aug 28 - 1600z to Aug 29 - 2200z

Rules: <http://www.arrl.org/contests/months/aug.html>

~~~~~  
BUBBA Summer QRP Sprint (CW) \*\*\* QRP CONTEST! \*\*\*

Aug 29 - 1800z to 2200z

Rules: <http://www.arrl.org/contests/months/aug.html>

-----  
72/73 de  
Ken Newman - N2CQ  
Woodbury, NJ

N2CQ@ARRL.NET

~~~~NJ QRP Club Home Page ~~~  
<http://www.NJQRP.org>

~~~~Club Callsign~~~  
WQ2RP

-----

Date: Wed, 28 Jul 1999 09:58:17 EDT  
From: Robspark@aol.com  
To: qrp-1@lehigh.edu  
Subject: [46249] AR QRP 40m Net Tonight!  
Message-ID: <dc69c997.24d06679@aol.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

AR-QRP 40 m Net Wednesday Night

Bored? Tired of the same old QSO? You know the type, "RIG R IS \_\_\_\_\_, WX HR IS \_\_\_\_\_." Do something different tonight! Try checking into the AR-QRP 40 m net tonight, Wednesday, at 0030Z (7:30 CDT) at 7.042 MHz. Bob, AB5ZD is NCS and will be calling "CQ AR QRP NET de NQ5RP PSE QNI". At that time, please send your full call. When I copy it, I will return your call and AS (stand by) while more call in. When I have the list, I will start at the top and go down the list for comments. If you are building a rig or trying a new antenna, tell us about it! One of the check ins tonight will be Jim N5IB who will try to QNI from an astronomical observatory in LA. (Listen in to see how he raises his antenna.) This is a fun and informal net, and is a low hassle way to learn how to check into a net. You don't need to be a member of the AR-QRP Club to check in. We welcome new check-ins!

72,

Bob AB5ZD

-----  
Date: Wed, 28 Jul 1999 08:51:11 -0500  
From: "Chuck Adams K5FO" <adams@ticnet.com>  
To: jparker@fix.net  
Cc: qrp-1@lehigh.edu  
Subject: [46250] Re: Ft. Tuthill Report with Pictures  
Message-ID: <E119T5m-0001Nz-00@pop3.ticnet.com>  
MIME-Version: 1.0  
Content-type: text/plain; charset=US-ASCII  
Content-transfer-encoding: 7BIT  
Content-Transfer-Encoding: 7BIT

Thanks Jerry for the writeup and the pictures of Ft Tuthill. The AZ gang did a great job of organizing, arranging for speakers, cooking, and reserving the camp grounds, and a thousand other things not seen

or heard by the visitors.

The amazing thing is that year after year the QRP community gives time and money and energy and other valuable resources for the benefit of the others that enjoy this great hobby. We see this at Dayton, Pacificon, Ft Tuthill, HamCom, Atlanticon, Austin, and the list goes on and on and the list grows.

IMHO it is important that we all try to make these events when possible --- in time and money. I know that it is not always possible and I know that we can't make every one of them or we'd all be broke all the time.

As you can tell from the pictures the setting at Tuthill is fantastic and the weather cooperated this year. July and August are the rainy months for that part of the country (one of the reasons why Phyllis and I chose the general area to retire to along with several thousand other hams.... :-)) and you can expect rain during any week of the two month period.

BTW: the World Radio Link will get you there but you can't get back. I hate it when that happens. :-)

And you know you are in trouble when you can identify almost everyone in every photograph.... without the captions!! ;-)

FYI

Again, thanks for the memories and the refresher Jerry. As I explained to one group at the Forum, the Internet has gotten us to the point of almost having all of the records of the human race at our fingertips and this is just one more case of getting closer. Thanks.

Chuck Adams K5FO adams@ticnet.com <http://www.qsl.net/k5fo/>

-----  
Date: Wed, 28 Jul 1999 10:04:37 -0400

From: Zack Lau <zlau@arrl.org>  
To: qrp-l@lehigh.edu  
Subject: [46251] Re: 12V+ solar panel that\'s close to 8x8"?  
Message-ID: <379F0DF5.94C7D6AC@arrl.org>  
Mime-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Edmund Scientific 7x8" 250mA 20V \$160. Zack W1VT

-----  
Date: Wed, 28 Jul 1999 10:07:08 EDT  
From: GElam30092@aol.com  
To: kleibe@dgo.mc.gov.br, qrp-l@lehigh.edu  
Subject: [46252] Re: Finding Qrp Circuits!  
Message-ID: <d5229849.24d0688c@aol.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

I'm a new user too. Just attended the Ft. Tuthill weekend and purchased a Small Wonders 40M kit.

Where are you located in Brasil? I'll be traveling to Sao Paulo in a couple of weeks. Probably Aug. 21 though the 29th.

If you're anywhere near SP and I can bring something down legally (small kits, misc. parts), let me know.

Best wishes,  
Gerry Elam, K1LR0

-----  
Date: Wed, 28 Jul 1999 07:13:16 -0700 (PDT)  
From: Patrick Franzis <old\_radios@yahoo.com>  
To: QRP list <qrp-l@Lehigh.EDU>  
Subject: [46253] Norcal 38s  
Message-ID: <19990728141316.2256.rocketmail@web128.yahoomail.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii

Hi QRPers,

Ok, I still have a stock 38s and the parts to do the 5w mod. I've looked through old issues of QRPp as well as Norcal's web site for mods. My question is, what are the "must do" modifications to a stock 38s.

Thanks, Patrick N10CJ

-----  
Do You Yahoo!?

Free instant messaging and more at <http://messenger.yahoo.com>

-----  
Date: Wed, 28 Jul 1999 10:15:45 -0400  
From: "Richard E. Robinson" <rerobins@email.uncc.edu>  
To: qrp-l@lehigh.edu  
Subject: [46254] Heath uMatic keyer info needed  
Message-ID: <v03102806b3c4bf1aacff@[152.15.144.71]>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

I'm trying to find a schematic for my old Heath uMatic keyer. Mine has vanished from the manual.

Thanks for any help,

72,

Rick Robinson kf4ar

-----  
Date: Wed, 28 Jul 1999 09:20:11 -0500  
From: Karl.Kanalz@optelinc.com  
To: qrp-l@Lehigh.EDU  
Subject: [46255] QRP Quarterly  
Message-ID: <862567BC.004F2FF7.00@hdqsmtp01.optelinc.com>  
Mime-Version: 1.0  
Content-type: text/plain; charset=us-ascii  
Content-Disposition: inline

I received my QRPQ yesterday, and as usual, it's another outstanding issue!

Karl K - W8TIF  
McKinney, Texas

Bob Nielsen                      Internet: nielsen@primenet.com  
Tucson, AZ                     AMPRnet: w6swe@w6swe.ampr.org  
DM42nh                        http://www.primenet.com/~nielsen

Date: Wed, 28 Jul 1999 09:21:47 -0500  
From: "Chuck Adams K5F0" <adams@ticnet.com>  
To: qrp-1@lehigh.edu  
Subject: [46257] K5F0 now K7Q0/5  
Message-ID: <E119TZQ-0007LE-00@pop3.ticnet.com>  
MIME-Version: 1.0  
Content-type: text/plain; charset=US-ASCII  
Content-transfer-encoding: 7BIT  
Content-Transfer-Encoding: 7BIT

Gang,

K5F0 is now history. I went over to QRZ.com and looked at the new calls and sometime between yesterday morning and this morning K7Q0 (Quaker Oats as W4Q0 says) was issued to me. My first choice of all those available. And the badge that I had made up at Tuhill and was wearing. :-) Optimism doesn't hurt.

It was not difficult or a hard decision to make to give up the call that everyone has known me by for 29 years. I wanted to have a 7-lander call when I got to AZ to keep with the spirit of having a call for the area in which you live. I know that this is not a popular item among many, but so be it and we don't need to bring up the thread again. You do have a choice and that is more important in the land of opportunity.

When I do become a silent key I don't want to be remembered as a call but as an individual with a name. I have been KN5FJZ, K5FJZ, and K5F0. It wasn't really all that difficult to give any one of them up. You didn't know K5FJZ because I was busy with school (a long time there... ;-)) and I didn't spend much time working on the hobby. And that call alone caused more errors to bug operators than any other that I know.....

So the log book closed with KL7H on 30 meters as the final home QTH QSO and a MT when I was K5F0/7 at Tuthill. I still have a bunch of K5F0 cards to mail out and there is more available than I think is going out so don't worry if I owe you a card. You will get it I promise. Gotta finish up entering data into the computer and finding those QSOs that I copied down at the time...

Now comes the hard part. Untraining my brain to send K5F0

and unprogram all the keyers with memories..... :-)

Before I work a single station as K7Q0 I have one more thing to do and I'll tell the group when I do it. And no fair guessing..... and wasting bandwidth.

dit dit de K7Q0/5

BTW: I own personal property in AZ and none in Dallas. So does that make me an Arizonian?

And we'll decide on how to get started on K7Q0 logbook after Austin meet.... See you there in Austin the first weekend in August.

So everyone that has me in a database, please go and change my call. Thanks in Advance.

Chuck Adams K7Q0/5 adams@ticnet.com <http://www.qsl.net/k5fo/>

-----  
Date: Wed, 28 Jul 1999 10:33:42 -0400 (EDT)  
From: "L. B. Cebik" <cebik@utkux.utcc.utk.edu>  
To: QRP-L List <qrp-l@lehigh.edu>, gqrp@onelist.com, towertalk@contesting.com, antennas@qth.net, antennaware@contesting.com  
Subject: [46258] Understanding/Producing Scientific Literature  
Message-ID: <Pine.GS0.4.10.9907281028030.22898-100000@larry.cas.utk.edu>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

The response to my pair of notes related to scientific literature and invention has been sufficiently good that I have placed them together at the site. I added a third nugget that fell out of an old notebook, but will not distribute it separately--because I promised not to in my last distribution. The item is among the entries headed "A Little History" because--while timeless--they are old. Indeed, it is something of a shock to realize that you are old enough to have a history.

I hope the item may be (recreationally) useful to someone.



LB, W4RNL

L. B. Cebik, W4RNL            /\    /\       \*    /   /   /       (Off) (423) 974-7215  
1434 High Mesa Drive        /    \/    \/       ----/\----       (Hm) (423) 938-6335  
Knoxville, Tennessee       /\    \    \       /   /   ||   /       (FAX) (423) 974-3509  
37938-4443        USA       /    \    \       ||                               cebik@utk.edu  
                  URL:    http://web.utk.edu/~cebik/radio.html

-----  
Date: Wed, 28 Jul 1999 08:38:02 -0600  
From: Larry East <w1hue@amsat.org>  
To: Michael Bower <bowerm@ix.netcom.com>  
Cc: qrp-1@lehigh.edu  
Message-ID: <3.0.3.32.19990728083802.0091a6a0@axp1>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

>Can anybody tell if an Ethernet coax terminator (which I think is just a  
>50 ohm resistor) will make a good dummy load for a QRP rig?

Sure ... as long as you don't pump more than about 0.5W continuous into it!  
(Might hold up for a few seconds at 5W...)

And you are correct; it is just a 50 Ohm resistor.

72, Larry W1HUE/7

-----  
Date: Wed, 28 Jul 1999 10:47:34 -0400  
From: "Richard E. Robinson" <rerobins@email.uncc.edu>  
To: qrp-1@lehigh.edu  
Cc: adams@ticnet.com  
Subject: [46260] Re: K5FO now K7Q0/5  
Message-ID: <v03102809b3c4c6d77f5e@[152.15.144.71]>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

Chuck, ex-K5FO now K7Q0/5, writes;

>BTW: I own personal property in AZ and none in Dallas. So  
>does that make me an Arizonian?

A young fellow in Maine asked his elderly neighbor, a native Mainer, if he would be considered a Mainer himself.

"I've lived here 30 years, am I a Mainer"

"Nope" says the Mainer.

"Well what about my children, they were born in Maine"

The Mainer replies, "If your cat had kittens in the oven, would that make them biscuits?"

Would this same logic also apply in Arizona? A curious Tar Heel wants to know.

72,

Rick kf4ar

-----

Date: Wed, 28 Jul 1999 07:46:38 -0700  
From: "Radman" <radman@best.com>  
To: <aturner@netunlimited.net>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [46261] Re: Help IDing Coax  
Message-ID: <199907281445.HAA16443@proxy4.ba.best.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=ISO-8859-1  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Alex et al,

Flexi-4XL is reported to be "similar to Belden 9913 except it has a stranded core. This makes it easier to bend and withstand rotation on the (antenna) rotor." (Info courtesy of Bruce Paige, KK5DO (kk5do@amsat.org)).

I'm not aware of the meaning of the "811A" suffix however. Sounds like a very nice roll of coax :-) !

Happy feedline,

72 - Conrad - NN6CW

\*\*\*\*\*

I ran across a roll of new coax, still hidden from the last move, there is no identifying labels that I can understand. It's 3/16" O.D., has very good shielding, center conductor is stranded, 1/16". A note attached says it is flexible hardline, markings by the mfg. are Flexi -4XL 8IIA.

tnx  
N4BYJ

-----  
Date: Wed, 28 Jul 1999 15:47:14 +0100  
From: Stewart Bryant <stewart.bryant@virgin.net>  
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [46262] Re: UTC?  
Message-ID: <379F17F2.983958AF@virgin.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Isn't it 4 hours:

UTC = GMT (for the purposes of this discussion)  
UK = UTC + 1 (daylight saving is one hour earlier than natural)  
FL = UK - 5 (Florida and UK both on daylight saving, and difference is 5 hours)  
FL = UTC + 1 -5  
FL = UTC-4

therefore UTC = FL + 4

So add four hours?

Stewart

Bob Nielsen wrote:

> On Wed, Jul 28, 1999 at 08:12:23AM -0400, George Goodroe wrote:  
> > Hello All,  
> >  
> > A rank greenhorn here confused about UTC.  
> >  
> > I am in Florida on EST...how would I calculate UTC?  
>  
> Add 5 hours.

>  
> >  
> > Also...is UTC the same as London, United Kingdom time? Does UTC change like  
> > with our daylight savings time?  
> >  
> > The reason for all of this is my computer UTC program says one thing and  
> > Londons time (which I thought was UTC) was one hour off!  
>  
> London is currently on "summer" time (like our DST) and is an hour ahead  
> of UTC. UTC doesn't change (standards rarely do).  
>  
> Bob W6SWE  
>  
> --  
> Bob Nielsen Internet: nielsen@primenet.com  
> Tucson, AZ AMPRnet: w6swe@w6swe.ampr.org  
> DM42nh http://www.primenet.com/~nielsen

-----  
Date: Wed, 28 Jul 1999 07:54:35 -0700  
From: Bob Nielsen <nielsen@primenet.com>  
To: qrp-l@lehigh.edu  
Subject: [46263] Re: New item at site  
Message-ID: <19990728075435.C1471@bob>  
Mime-Version: 1.0  
Content-Type: text/plain; charset=us-ascii

In the interest of historical accuracy, as long as it already has hyphenation, perhaps it should be called a "Lansdorfer-Sacher Yagi-Uda". Prof. Uda seems to have been forgotten over the years. A footnote in Jasik says:

"It is of interest that the Yagi paper described the short-wave work then in progress in Japan and made Professor Uda's work but one of its several features. However, because Yagi's paper was in English and was widely read, it became the custom to refer to this new array as the Yagi antenna. This occurred in spite of the fact that Yagi was quite clear about the part that had been played by Professor Uda. In view of accepted practices, it should be in order to adopt the name Yagi-Uda antenna. We understand that this is also the desire of Mr. Yagi."

73,

Bob, W6SWE

On Wed, Jul 28, 1999 at 08:17:05AM -0400, L. B. Cebik wrote:

> As an interesting exercise in self-edification, I put together a small  
> item in the VHF section of the index called "Phased Yagis, EDZ Beams, and  
> Landsdorfer-Sacher Yagis," which looks at their properties with an eye  
> toward similarities. The models are 2-meter versions, but may be scaled  
> to any other frequency.  
>  
> I hope the individual who sent me the initial model of the L-S Yagi after  
> going through all the hard work of translating a paper graphic into a  
> usable model will contact me again--I'd like to add proper credit for the  
> model source to the note. The original exchange has become lost in a sea  
> of paper here.  
>  
> I hope the note is useful to someone.  
>  
> -73-  
>  
> LB, W4RNL  
>  
> L. B. Cebik, W4RNL            /\    /\       \*    /   /   /       (Off) (423) 974-7215  
> 1434 High Mesa Drive        /    \/    \/       ----/\----       (Hm) (423) 938-6335  
> Knoxville, Tennessee       /\    \    \       /   /   ||   /       (FAX) (423) 974-3509  
> 37938-4443            USA    /    \    \       ||                        cebik@utk.edu  
>                            URL:   http://web.utk.edu/~cebik/radio.html  
>  
>  
>

--  
Bob Nielsen                            Internet: nielsen@primenet.com  
Tucson, AZ                            AMPRnet: w6swe@w6swe.ampr.org  
DM42nh                                http://www.primenet.com/~nielsen

-----  
Date: Wed, 28 Jul 1999 08:35:24 -0700  
From: Bill Jones <kd7s@psnw.com>  
To: qrp-l@lehigh.edu  
Subject: [46264] Ethernet Terminators as dummy loads  
Message-ID: <379F233C.D3293294@psnw.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

My curiosity got the better of me so I scrounged up a 50 ohm ethernet terminator from my local Lan Lord at work and plugged it into my Autek RF-1 (RF Analyst). It shows an impedance of 51-52 ohms consistently from 1.5 to 36 mHz with the SWR being 1.0 all the way. I asked for several more terminators and will measure them when they show up on my

desk.

Preliminary tests show them to be excellent 50 ohm dummy loads but are suitable for (continuous) milliwatt power levels only.

--

=====

Bill Jones - KD7S <><  
Sanger, California  
<http://www.psnw.com/~kd7s>

=====

-----

Date: Wed, 28 Jul 1999 11:46:20 -0400  
From: "Pete Meier" <pete.meier@lmsna.com>  
To: <qrp-1@Lehigh.EDU>  
Subject: [46265] QRP Contesting: Aug '99 MISSING ONE!  
Message-ID: <001001bed910\$56af8480\$81e0c026@lmsna.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Ken,

You missed one NEW contest in your list.

Michigan Challenge (CW) \*\*\* QRP Contest \*\*\*

August 21 - 1600z to 2000z

Rules: <http://www.tir.com/~k8dd/miqrp.htm>

Pete WK8S

-----Original Message-----

From: owner-qrp-1@Lehigh.EDU [mailto:owner-qrp-1@Lehigh.EDU] On Behalf Of  
Ken Newman  
Sent: Wednesday, July 28, 1999 9:40 AM  
To: Low Power Amateur Radio Discussion  
Subject: QRP Contesting: Aug '99

QRP Contesters,

Check below for a calendar of QRP Contesting in Aug '99. If you want to refer to the calendar later, it will be posted on the websites

<http://www.njqrp.org/data/contesting.html>

and

<http://www.kpsnet.com/wb3aal/Pages/Contest.htm>

Are you ready to be a BUBBA? Go portable in the CQC Summer QSO Party for heat training before the BUBBA Sprint comes up!

Both should be fun inside or out.

There are several good ones this month with QRP Category.

The MD/DC Party and the Ohio Party can be fun with QRP.

The Ohio Party with QRP allows a 5 times multiplier for a high score.

Real competition with the QRO Bunch!

Don't forget the reliable ARS Spartan Sprint on the first Monday evening of \*EVERY\* month.

72 de Ken - N2CQ

~~~~~

QRP CONTEST CALENDAR

August 1999

~~~~~

Georgia QSO Party (CW/SSB) ... QRP Category

Jul 31 - 1800z to Aug 1 - 0359z

Aug 01 - 1400z to Aug 1 - 2359z

Rules: <http://www.contesting.com/secc/GaQsoParty.htm>

~~~~~

QRP ARCI Summer Daze SSB Sprint (SSB) *** QRP CONTEST! ***

Aug 01 - 2000z to 2400z

Rules: <http://www.qrparci.org/sumdaz.htm>

~~~~~

Adventure Radio Spartan Sprint (CW) \*\*\* QRP CONTEST! \*\*\*

Aug 3 - 0100z to 0300z

Rules: [http://www.natworld.com/ars/pages/spartan\\_sprints/ss\\_rules.html](http://www.natworld.com/ars/pages/spartan_sprints/ss_rules.html)

~~~~~

North American QSO Party (CW) ... QRP Interest

Aug 7 - 1800z to Aug 8 - 0600z

Rules: <http://www.waterw.com/~ncj/naqso.htm>

~~~~~

Maryland/DC QSO Party (SSB/CW) ... QRP Category

Aug 14 - 1600z to Aug 15 - 0400z

Aug 15 - 1600z to Aug 15 - 2300z

Rules: <http://www.qsl.net/w3cwc/mdcqso.htm>

~~~~~

North American QSO Party (SSB) ... QRP Interest

Aug 21 - 1800z to Aug 22 - 0600z

Rules: <http://www.waterw.com/~ncj/naqso.htm>

~~~~~

NJ QSO Party (CW/SSB) ... NOT QRP

Aug 21 - 2000z to Aug 22 - 0700z

Aug 22 - 1300z to Aug 23 - 0200z

Rules: <http://www.arrl.org/contests/months/aug.html>

~~~~~

Colorado QRP Club - Summer QSO Party (SSB/CW) *** QRP CONTEST! ***

Aug 22- 1800z to 2400z

Rules: <http://home.sol.no/~janaalme/htmlrules/cqcsummer.html>

~~~~~



Hawaii QSO Party (CW/SSB) ... QRP Category

Aug 28 - 1600z to Aug 29 - 2200z

Rules: <http://home.sol.no/~janalme/htmlrules/qsohi.html>

~~~~~

Ohio QSO Party (CW/SSB) ... QRP Category

Aug 28 - 1600z to Aug 29 - 0400z

Rules: <http://www.qsl.net/mrrc/oqp.html>

~~~~~

South Dakota QSO Party (CW/SSB)... QRP Category

Aug 28 - 1600z to Aug 29 - 2200z

Rules: <http://www.arrl.org/contests/months/aug.html>

~~~~~

BUBBA Summer QRP Sprint (CW) *** QRP CONTEST! ***

Aug 29 - 1800z to 2200z

Rules: <http://www.arrl.org/contests/months/aug.html>

~~~~~

72/73 de  
Ken Newman - N2CQ  
Woodbury, NJ

N2CQ@ARRL.NET

~~~~NJ QRP Club Home Page ~~~  
<http://www.NJQRP.org>

~~~~Club Callsign~~~  
WQ2RP

-----  
Date: Wed, 28 Jul 1999 11:53:43 -0400  
From: "Alex" <aturner@netunlimited.net>  
To: <qrp-1@lehigh.edu>  
Subject: [46266] More info on Shorty 20m ant.  
Message-ID: <002301bed911\$5ed8f1e0\$8b29f3d0@pentium-ii>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

I got such a quick response to my question about the coax that now I'll put an antenna with it. I am confounded by antenna restrictions and have found a web site, G3YCC's, that has a 20m antenna called a shorty that I would like to try for attic mount. It came from the Michigan QRP club originally. I think I understand the construction, but would like to talk with someone that has tried it. Tnx

73  
N4BYJ

-----  
Date: Wed, 28 Jul 1999 10:39:18 -0500  
From: "Randy Jouett" <rules@bellsouth.net>  
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [46267] Nail Clipper Paddle  
Message-ID: <002801bed912\$5fedeee0\$c267d6d1@spock>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Ok Gang,

The results are in, and a pair of nail clippers aren't worth a hoot as a cheap CW paddle. If anyone else wants to give it a shot, just drop me a line and I'll explain the difficulties that I ran into. Next up, a pair of clothes pins. I'll keep you informed.

72/73,

-----  
Randy Jouett, AB5NI

-----  
Date: Wed, 28 Jul 1999 10:06:13 -0500  
From: "Randy Jouett" <rules@bellsouth.net>  
To: <owen@piper.eeel.nist.gov>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [46268] Re: Q-dope substitute  
Message-ID: <002701bed912\$5eea1370\$c267d6d1@spock>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

-----Original Message-----

From: James Owen <owen@piper.eeel.nist.gov>  
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Date: Wednesday, July 28, 1999 8:22 AM  
Subject: Re: Q-dope substitute

Hi Jim,

>> Try "clear" non-yellow hot glue. Avoid colored pigments. I think hot glue  
>> works well, but I have been wrong before. So, you probably should test it.  
>  
>I've been following the thread on Q-dope substitutes and I guess I'm  
>missing something here BUT why all the trouble? Why not just buy a  
>bottle of the real stuff? It's easily available from many sources. One  
>is Ocean State Electronics 1-800-866-6626 part number 10-3702 2 fl oz  
>for \$3.75.

Because you have to order the stuff if you don't have any on hand.  
Also, you can pick up nail polish from your local grocery store for  
a \$1.75 on sale (so my girlfriend tells me).

Jim was probably looking for another substitute so we don't have  
to have nail polish hanging around the shack, and he prolly wants  
to find something that we can pick at our kinda' hangout -- the  
hardware store :^).

BTW, my Elmer has told me that he's tried every nail polish on the

planet, and Wet-N-Wild Clear Topcoat dries the quickest and works best overall. Hopefully, Jim will find a better, cheaper substitute so I don't have to write a sentence like that ever again :^) :^).

72/73,

----

Randy Jouett, AB5NI

-----

Date: Wed, 28 Jul 1999 11:59:51 EDT  
From: Drbob92031@aol.com  
To: qrp-l@lehigh.edu  
Subject: [46269] HELPING A HAM.  
Message-ID: <20e88b8a.24d082f7@aol.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

To all;

I was just on the air with an old timer (78years old.) and he told me of having some problems with his Heath SB610 Monitor Scope. I told him I would get him the address of the Heathkit news group. Of course there were no posts to my email from anyone in that group so I am asking if anyone can send the address for the Heathkit news group to John at <COMBS@WEBTV.NET> His call is K4TUN. He would be very pleased. He told me he is not on the list of any Ham news group( what a shame)  
Thanks on the behalf of K4TUN  
73/72 de WA2EAW...Bob

-----

Date: Wed, 28 Jul 1999 11:31:51 +0000  
From: "Steven Weber" <kd1jv@moose.ncia.net>  
To: qrp-l@lehigh.edu  
Subject: [46270] Re: Toner Transfer System  
Message-ID: <199907281614.MAA25392@moose.ncia.net>  
MIME-Version: 1.0  
Content-type: text/plain; charset=US-ASCII  
Content-transfer-encoding: 7BIT  
Content-Transfer-Encoding: 7BIT

> >

> >Hi Gang: has anyone used the "Toner Transfer System" for making one off PC

> >boards? If so how were the results?

>

> A former colleague of mine uses it \*very\* successfully. I got some of the  
> Press-n-Peel stuff he uses and tried it. It needs quite a lot of trial and

I use PnP Blue film a lot, and it works very well. I have made boards for 25 mil lead spaced SSOP IC's and tight SMT layouts with good results. I've tried a number of the toner transfer films and PnP Blue works the best.

It's a little expensive (\$30 for 20 sheets) but as Leon said, if you cut out a piece a little bigger than your board, it goes a long way.

(Technicks Inc, PO Box 463 Ringoes, NJ 08851)

I don't like photo resist for a number of reasons. There are a lot of steps to the process. You have to make a transparency. You have to mix a developer, which is only good for 24 hours. If you screw up (which isn't hard to do) you lost a 5 dollar board.

Here's a few tricks for toner transfer that help ensure good results.

To use only the minimum amount of film necessary, first make a print out of your artwork. Cut a piece of film a little bigger than the layout. Stick the film over the area printed on the paper, using double sided tape. Slide another piece of paper between the film and the original print out. This will prevent the toner on the print out from sticking to the back of the film and getting on your iron. Run the whole thing through your printer again.

Handle the film by the edges, finger prints will spoil it.

1. Clean the copper extremely well.

The copper needs to be shiny and all microscopic grit from the cleaning of the surface removed.

a. First clean with "Scotch Bright" tm non detergent, scrubbing pad.

b. "wash" the board with Isopropyl alcohol.

c. wash it again

d. Wipe it down with a coarse brown paper towel, until you no longer see any black "grit" being picked up.

2. Iron temperature is critical.

Too low a temperature and the toner don't transfer, too hot and it "bleeds". I've found that 275 degrees F is the ideal temperature. Go to the super market and buy a hanging oven thermometer. Snip the

hanger and base tabs off so it will lay flat on your iron. Hold the iron up side down so you can put the thermometer on the iron surface. (I use a vice) I also use a light dimmer type control to control the iron. Don't trust the built in temp control.

3. Center the film on the board, cover with a piece of paper, then apply the iron. After the initial heating, you can remove the paper and apply heat directly to the film. How long you heat the film will depend on the size of the board. One to two minutes is average.

Apply as much pressure as you can. Be sure to push down over all areas of the film. Before I let the board cool, I like to rub down the film with a blunt plastic tool, especially over any large ground plain areas.

4. Let the board cool down and carefully peel off the film. If any toner pulls off, touch up the area with a resist pen. 9 times out of 10, I make a perfect board. If it needs more than minor touch up, I do it over again.

5. Etch the board

6. Laquer thinner or acetone will remove the toner from the board.

7. Drill the board, stuff, play and enjoy.

72,

Steve, KD1JV in the white Mountains of New Hampshire  
"melt solder"

-----  
Date: Wed, 28 Jul 1999 12:14:04 -0400  
From: "Alex Mendelsohn" <ai2q@ispchannel.com>  
To: <Drbob92031@aol.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [46271] RE: HELPING A HAM.  
Message-ID: <000401bed914\$36294440\$5c32a7d0@mendelsohn.ispchannel.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

I used to be a Heathkit service technician, so if I can be of assistance, gimme a shout. Vy 73, AI2Q, Alex in Kennebunk, Maine .-.-.

> -----Original Message-----

> From: owner-qrp-l@Lehigh.EDU [mailto:owner-qrp-l@Lehigh.EDU]On Behalf Of  
> Drbob92031@aol.com  
> Sent: Wednesday, July 28, 1999 12:00 PM  
> To: Low Power Amateur Radio Discussion  
> Subject: HELPING A HAM.  
>  
>  
> To all;  
>  
> I was just on the air with an old timer (78years old.) and he told me of  
> having some problems with his Heath SB610 Monitor Scope. I told  
> him I would  
> get him the address of the Heathkit news group. Of course there  
> were no posts  
> to my email from anyone in that group so I am asking if anyone  
> can send the  
> address for the Heathkit news group to John at <  
> COMBS@WEBTV.NET> His call  
> is K4TUN. He would be very pleased. He told me he is not on the  
> list of any  
> Ham news group( what a shame)  
> Thanks on the behalf of K4TUN  
> 73/72 de WA2EAW...Bob  
>

-----  
Date: Wed, 28 Jul 1999 11:09:41 -0500  
From: Oscar A Hoyt <k5ubs@juno.com>  
To: qrp-l@Lehigh.EDU  
Subject: [46272] K7Q0, learning new call  
Message-ID: <19990728.110942.10294.0.k5ubs@juno.com>

Chuck and all with new calls to learn,  
All you need is someone with lots of authority to tell you to not use the  
old call. While a radio op in Navy, CW, they changed the aircrafts call  
signs after many months. And the old call sign was written all over the  
radio ops position. The flight crew comander came to me before first  
flight with new call and said that I WOULD NOT use the old call. It  
worked.

Oscar Hoyt, ham since '55, ARRL, QCWA, QRP-L 1733, NORCAL

-----  
Get the Internet just the way you want it.  
Free software, free e-mail, and free Internet access for a month!  
Try Juno Web: <http://dl.www.juno.com/dynoget/tagj>.

-----  
Date: Wed, 28 Jul 1999 11:17:41 -0500  
From: "Kevin Muenzler WB5RUE" <wb5rue@stic.net>  
To: <kd7s@psnw.com>, "'Low Power Amateur Radio Discussion'" <qrp-1@Lehigh.EDU>  
Subject: [46273] RE: Ethernet Terminators as dummy loads  
Message-ID: <000101bed914\$b84efc30\$ef5d6f81@uthscsa.edu>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

I am using them too. My company just switched from "thin ethernet" RG-58 to 10Base-T so there is a plethora of little terminators. They are 1/4 watt resistors so should be extremely useful for QRP dummy loads.

72/73

Kevin, WB5RUE

Leeniers? We dunt need no steenking leeniers!

> -----Original Message-----  
> From: owner-qrp-1@Lehigh.EDU  
> [mailto:owner-qrp-1@Lehigh.EDU]On Behalf Of  
> Bill Jones  
> Sent: Wednesday, July 28, 1999 10:35 AM  
> To: Low Power Amateur Radio Discussion  
> Subject: Ethernet Terminators as dummy loads  
>  
>  
> My curiosity got the better of me so I scrounged up a 50 ohm ethernet  
> terminator from my local Lan Lord at work and plugged it into my Autek  
> RF-1 (RF Analyst). It shows an impedance of 51-52 ohms consistently  
> from 1.5 to 36 mHz with the SWR being 1.0 all the way. I asked for  
> several more terminators and will measure them when they show up on my  
> desk.  
>  
> Preliminary tests show them to be excellent 50 ohm dummy loads but are  
> suitable for (continuous) milliwatt power levels only.  
>  
> --  
> =====  
> Bill Jones - KD7S <><  
> Sanger, California  
> <http://www.psnw.com/~kd7s>  
> =====



>  
>  
>

-----  
Date: Wed, 28 Jul 1999 10:18:06 -0600  
From: Bruce Kizerian <kizerian@ced.utah.edu>  
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [46274] Re: Ft. Tuthill Report with Pictures  
Message-ID: <379F2D3D.BCD6BBC7@ced.utah.edu>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Thanks to Jerry Parker for posting pictures of the ElmeRadios. I have been hoping someone would do this. Now interested friends on the list can see what they look like.

Thanks, also, to Jerry Haigwood for watching over them at Fort Tuthill.

Bruce kk7zz

-----  
Date: Wed, 28 Jul 1999 10:24:59 -0600  
From: Larry East <w1hue@amsat.org>  
To: qrp-1@lehigh.edu  
Subject: [46275] Free 2N2/40 Board and T-Shirt  
Message-ID: <3.0.3.32.19990728102459.00921ec0@axp1>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

That should get your attention -- as they say, "hams are cheap"! (Well, some of us, anyway! :-)

Anyway, I won a 2N2/40 slik-screened board, T-Shirt and copy of the Winter 1998 QRPp with building instructions (also a set of xtals) at the Ft. Tuthill hamfest that I would like to pass on to someone. I just have too many projects in the queue -- and besides, if I built it, I would probably have too much fun tweaking and modifying it! (Someone at Ft. Tuthill referred to me as "The Mod King"! :-)

So, here's the deal: Send me an email with "2N2/40" as the subject. I'll collect all such emails that I receive between now and Saturday morning (7/31) and then randomly chose a "winner" mid next week (I be on R&R for a few days).

There are, however, a couple of "rules":

1. You don't already own a 2N2/40 (either built or unbuilt).
- 2A. You promise to build the radio within the next six months, or
- 2B. Give the "kit" to someone who will build it (in that case, Rule 1 is waved.)

72, Larry W1HUE/7

-----  
Date: Wed, 28 Jul 1999 12:29:35 -0400  
From: Ted Beach <k4mkx@netzero.net>  
To: rules@bellsouth.net  
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [46276] Re: Q-dope substitute  
Message-ID: <379F2FEF.CCCB5492@netzero.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Randy Jouett wrote:

>  
> -----Original Message-----  
> From: James Owen <owen@piper.eeel.nist.gov>  
> To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
> Date: Wednesday, July 28, 1999 8:22 AM  
> Subject: Re: Q-dope substitute  
>  
> Hi Jim,  
>  
> >> Try "clear" non-yellow hot glue. Avoid colored pigments. I think hot glue  
> >> works well, but I have been wrong before. So, you probably should test it.  
> >  
> >I've been following the thread on Q-dope substitutes and I guess I'm  
> >missing something here BUT why all the trouble? Why not just buy a  
> >bottle of the real stuff? It's easily available from many sources. One  
> >is Ocean State Electronics 1-800-866-6626 part number 10-3702 2 fl oz

> >for \$3.75.  
>  
> Because you have to order the stuff if you don't have any on hand.  
> Also, you can pick up nail polish from your local grocery store for  
> a \$1.75 on sale (so my girlfriend tells me).  
>  
> Jim was probably looking for another substitute so we don't have  
> to have nail polish hanging around the shack, and he prolly wants  
> to find something that we can pick at our kinda' hangout -- the  
> hardware store :^).  
>  
> BTW, my Elmer has told me that he's tried every nail polish on the  
> planet, and Wet-N-Wild Clear Topcoat dries the quickest and works  
> best overall. Hopefully, Jim will find a better, cheaper substitute so  
> I don't have to write a sentence like that ever again :^) :^).  
>  
> 72/73,  
> ----  
> Randy Jouett, AB5NI

If my feeble memory serves me, this thread started when someone discovered that using some sort of coil covering lowered the Q tremendously, and he wondered if there were any "good" Q-dopes. I believe he was also going to perform some gravity wave tests on the dried dope!

Ted Beach

-----  
NetZero - We believe in a FREE Internet. Shouldn't you?  
Get your FREE Internet Access and Email at  
<http://www.netzero.net/download/index.html>

-----  
Date: Wed, 28 Jul 1999 12:29:14 -0400  
From: Michael Maiorana <mikemo@ibm.net>  
To: adams@ticnet.com  
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [46277] Re: K5FO now K7Q0/5  
Message-ID: <379F2FDA.3CE13602@ibm.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Chuck Adams K5FO wrote:

> K5FO is now history. I went over to QRZ.com and looked

> at the new calls and sometime between yesterday morning  
> and this morning K7Q0 (Quaker Oats as W4Q0 says) was  
> issued to me.

Another quality Q0 call! How about "Quarters Only" or "Quality OP"?  
Welcome to the "club" Chuck ;-)

--

72 de KU4Q0, Mike Maiorana, Palm Harbor, FL

-----

Date: Wed, 28 Jul 1999 11:31:25 -0500  
From: "George T. Baker" <w5yr@swbell.net>  
To: n5ib@juno.com  
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [46278] Re: Heathkit Q-meter - operating instructions?  
Message-ID: <379F305D.E0339FB5@swbell.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

I heard that Heathkit still has manuals.

72/73, George           AMA 98452           R/C since 1964

Amateur Radio W5YR, in the 53rd year and it just keeps getting better!  
AutoPOWER Systems, Fairview, TX (30 mi NE Dallas) Collin County  
QRP-L QRP-ARCI FISTS NORCAL ZOMBIE ARS 10-X 33.2 N 96.6 W EM13RE

n5ib@juno.com wrote:

> Picked up a Heathkit Q-Meter and a Heathkit Impedance Bridge for \$5 at  
> our club auction night - no manuals for either, but apparently  
> functional. Can anyone provide a succinct "how to use" for these relics?

-----

Date: Wed, 28 Jul 1999 08:32:19 -0800  
From: Jim Larsen AL7FS <al7fs@pobox.alaska.net>  
To: "qrp-l@lehigh.edu" <qrp-l@lehigh.edu>  
Subject: [46279] White LED Enlightenment - Home Power Magazine  
Message-ID: <379F3093.CF99C69@pobox.alaska.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

<http://www.homepower.com/download.htm#CurrentIssue>

I was looking over Home Power Magazine at Borders last night and on page 110-111 there is an interesting article titled "White LED Enlightenment".

I was surprised to discover today that the article is available online at the above listed URL. These items (Camp light, Bright light, and Mini light) seem to have a high probability of being useful on QRP campouts as well as Emergency and Y2K.

--

73, Jim Larsen, AL7FS <http://www.qsl.net/al7fs/>  
Anchorage, Alaska  
<mailto:al7fs@qsl.net>  
ICQ 11022915

-----  
Date: Wed, 28 Jul 1999 11:33:16 -0500  
From: "George T. Baker" <[w5yr@swbell.net](mailto:w5yr@swbell.net)>  
To: [Drbob92031@aol.com](mailto:Drbob92031@aol.com)  
Cc: Low Power Amateur Radio Discussion <[qrp-l@Lehigh.EDU](mailto:qrp-l@Lehigh.EDU)>  
Subject: [46280] Re: HELPING A HAM.  
Message-ID: <379F30CC.75487E65@swbell.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

I have the SB610 - since 1970!! - and the manual so sic him on me if I can be of any help.

72/73, George                   AMA 98452                   R/C since 1964

Amateur Radio W5YR, in the 53rd year and it just keeps getting better!  
AutoPOWER Systems, Fairview, TX (30 mi NE Dallas) Collin County  
QRP-L QRP-ARCI FISTS NORCAL ZOMBIE ARS 10-X 33.2 N 96.6 W EM13RE

[Drbob92031@aol.com](mailto:Drbob92031@aol.com) wrote:

> I was just on the air with an old timer (78years old.) and he told me of  
> having some problems with his Heath SB610 Monitor Scope.

-----  
Date: Wed, 28 Jul 1999 09:44:35 -0700 (PDT)

From: Monte Stark <ku7y@dri.edu>  
To: Low Power Amateur Radio <qrp-1@Lehigh.EDU>  
Subject: [46281] Operating contests and DXing....  
Message-ID: <Pine.GS0.4.10.9907280910010.14752-100000@rotor.dri.edu>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi All,

I just copied this from the contest reflector and thought it would be of interest here.

The subject is the use of less than your full call sign when calling in a pile up, also known as "Sending the last 2".....

\*\*\*\*\*

While I don't think this particular solution would help very much in contests, I am reminded by how my now neighbor 9K2ZZ handled the problem.

He just responded to the "last 2" and didn't log them. And of course, when the qsl arrived, it was returned "not in log".

Actually, the technique might work in contests also, if nothing else other than to get rid of the lid.

\*\*\*\*\*

Sometimes what you hear going on in the pile up's isn't really the way you want to do it! :-)

There have been discussions about signing /QRP in both contests and pile up's. Not very many of the "big guns" think much of it!

Just thought you would get a kick out of it.

cul,

73, Ron,        SOWP 5545M,

.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....  
....ku7y@sage.dri.edu.....Washoe Lake, Nevada....  
....QRP-L #17...ARS #49...NorCal #330.....NRA LIFE.....

-----  
Date: Wed, 28 Jul 1999 10:52:55 -0600  
From: Larry East <w1hue@amsat.org>  
To: qrp-l@lehigh.edu  
Subject: [46282] Free TiCK Keyer  
Message-ID: <3.0.3.32.19990728105255.00921ec0@axp1>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

Here's another chance to get a "freebie"!

I have a mini TiCK keyer that I built at Ft. Tuthill -- 50 boards and parts (including batteries!) were supplied by Embedded Research for a "real time building" project. I really should have declined as I already have a life-time supply of various keyers and keyer chips -- but I couldn't resist building something with all surface mount parts! So ... I'd like to pass it on to someone who will put it to use rather than add it to my collection of "good stuff".

The little board is about 1-7/8 in. square and all (four!) parts are mounted on it. Connected to the board are a little speaker, battery case (two AA batteries included) and push-button switch. Output and paddle jacks are included, but not wired to the board.

So, here's the deal: Send me an email with "keyer" as the subject. I'll collect all such emails that I receive between now and Saturday morning (7/31) and then randomly chose a "winner" mid next week (I be on R&R for a few days).

There are, however, a couple of "rules":

1. You will actually use it, or
2. You will give it to someone (preferably a newbie QRPer) who will use it.

72, Larry W1HUE/7

-----  
Date: Wed, 28 Jul 1999 13:03:03 -0400  
From: rpruner@us.ibm.com  
To: QRP-L@LEHIGH.EDU  
Subject: [46283] TenTec Scout 555 info  
Message-ID: <852567BC.005D92C7.00@d54mta01.raleigh.ibm.com>  
Mime-Version: 1.0

Content-type: text/plain; charset=us-ascii  
Content-Disposition: inline

I'm considering the purchase of a Ten Tec Scout 555, but, would like some info from those who are experienced with the rig, in the field. Can anyone tell me how the receiver front end is designed ? Specifically, is there an RF amp stage ahead of the first receive mixer ? Or, as in most QRP rigs, a broad tuned bandpass filter that drives the input of the mixer? Second, is there a provision to bypass the built-in keyer so you may use either a straight key or an external keyer ? I've read alot about the frequency "hopping" that occurs at higher CW speeds. Since my CW speed peaks out at about 20wpm, I don't think this would bother me. Thanks for you responses and info.

73,  
Rod KN3ZOG QRP-L# 1972 FISTS # 6240

-----  
Date: Wed, 28 Jul 1999 13:29:14 -0400 (EDT)  
From: Brien Pepperdine <pepperb@gov.on.ca>  
To: qrp-l@lehigh.edu  
Subject: [46284] QRP fun - big distance, small wattage  
Message-ID: <Pine.OSF.4.05.9907281314070.25341-100000@govonca2.gov.on.ca>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

OK, a bit late to the fun. Due to work, summer, and then some coming home renovations, the home has been in a turmoil and the antennae are up, down, up, down for a while. Anyhow, things are in stasis at least until the stucco scaffolds arrive, so I got back on the air, and also finished the 20 m band module for the Sierra now that I have time, skywire and 20 m is going.

Well, surprise me! First contact is better than 1000 mi/watt. Then the second one, and the next, and the next. With tweaking the power has gone from 1.4 to 1.8 watts on 20 m - I wish for more, but that is later tweaking maybe. Nonetheless, this is a new and unique thrill since it is about the first time for extended work under a solar maximum. Czechslovakia (twice),



Italy, Moldava (ex-USSR). Fun.

A hint for those wondering how far they are going with a signal. If the callsign is in the foreign call list on Buckmaster the long/lat is there. Plug that in with your long/lat into one of the flight distance calculators on the WWW, and you can get some very interesting numbers telling you what the miles per watt is. (yes, Chuck is correct, a lot of info on the internet we did not have before, and it does make one ponder a life of instant access...but I can do almost the same thing well enough with a map, dividers and a ruler. Still do - handy hardware store yardstick next to the world map).

Hoping for much more fun. And getting the soldering iron hot again.

Brien Pepperdine Amateur Radio Station VE3VAW Toronto, Ontario Canada  
ARCI #8773 - NORCAL ZOMBIE

-----  
Date: Wed, 28 Jul 1999 10:01:22 -0700  
From: Dave Barrett <DBarrett@creo.com>  
To: "'al7fs@pobox.alaska.net'" <al7fs@pobox.alaska.net>, Low Power Amateur Radio Discussion <grp-1@Lehigh.EDU>  
Subject: [46285] RE: White LED Enlightenment - Home Power Magazine  
Message-ID: <CE0A40BFE0CDD111A2B800A0C99B83EB01313A3E@msgcreo2.creo.bc.ca>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"

The white LED article is indeed interesting, the only trouble is that the real white LED's are a tad expensive, however the almost white one's are great too, they have a very slight blue tinge.....work great though.....\$4 Cdn each against \$10 Cdn each for the white.

Dave VE7PCC Vancouver BC Canada  
(Recumbenteer)

-----Original Message-----

From: Jim Larsen AL7FS [mailto:al7fs@pobox.alaska.net]  
Sent: Wednesday, 28 July, 1999 9:32 AM  
To: Low Power Amateur Radio Discussion  
Subject: White LED Enlightenment - Home Power Magazine

<http://www.homepower.com/download.htm#CurrentIssue>

I was looking over Home Power Magazine at Borders last night and on page

110-111 there is an interesting article titled "White LED Enlightenment".

I was surprised to discover today that the article is available online at the above listed URL. These items (Camp light, Bright light, and Mini light) seem to have a high probability of being useful on QRP campouts as well as Emergency and Y2K.

--

73, Jim Larsen, AL7FS <http://www.qsl.net/al7fs/>  
Anchorage, Alaska  
<mailto:al7fs@qsl.net>  
ICQ 11022915

-----

Date: Wed, 28 Jul 1999 13:38:51 -0700  
From: w4bws@juno.com  
To: JIM-EK@worldnet.att.net  
Cc: qrp-1@Lehigh.EDU  
Subject: [46286] Re: Crystal QRP radio  
Message-ID: <19990728.133925.-381197.3.w4bws@juno.com>  
MIME-Version: 1.0  
Content-Type: text/plain  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Sorry gang for the long reply. It was supposed to be direct.  
I just have to watch more closely to not send to all.  
Save the Bandwidth.  
Don W4BWS

On Tue, 27 Jul 1999 22:25:40 -0500 Jim Ek <JIM-EK@worldnet.att.net> writes:

Don Sanders W4BWS  
694 E. Eau Gallie Blvd  
Satellite Beach ,FL 32937  
My favorite QRP rig glows in the dark

-----

Date: Wed, 28 Jul 1999 13:15:44 -0700  
From: w4bws@juno.com  
To: JIM-EK@worldnet.att.net  
Cc: qrp-1@Lehigh.EDU  
Subject: [46287] Re: Crystal QRP radio  
Message-ID: <19990728.133925.-381197.1.w4bws@juno.com>  
MIME-Version: 1.0

Content-Type: text/plain  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Jim, I suggest you start with a separate receiver and transmitter such as the Vectronics kits from TECHAMERICA . the base kit is about \$25 to \$30 bucks with case/hardware at about \$12 each.

Another is the TENTEC kits at about the same price. You will have operational separate units which are more easily fixed if problems arise for a beginner.

Then I suggest you look at the SW 40 or DSW40, OHR 100, NW 40 or similar which are in the \$100 to \$180 price range for the transceiver.

There are also several built units that trade here on the QRP-L weekly in the upper end for you to try if you want something all ready to go.

The support from the several kit suppliers, like the ones I've referenced

here, Small Wonder Labs, OHR, EMTECH, and several others are exceptional. They are resident here on qrp-l and are responsive to the needs of the qrp'ers and to problems which builders have. You also have the largest pool of technical talent in any one place you will ever find.

If you have a problem you need only ask and you will have several very knowledgeable replies in short order.

And when you get the units working and are familiar with the operation, take them to your school, ham club, scout troop, etc. and show them how much fun can be had with simple lowcost equipment. Interest someone else in the fun of hamradio and QRP. And best of all you can take pride in the fact

you built them and you can now be the helper of anyone else who is interested.

YUP< you are an instant ELMER- and I will tell you there is no better way to learn yourself, than to help and teach someone else.

Congrats on your efforts and I'm sure you will be successful.

Welcome

Don W4BWS

w4bws@juno.com

On Tue, 27 Jul 1999 22:25:40 -0500 Jim Ek <JIM-EK@worldnet.att.net> writes:

>Well I'm still here working on studying to take my technician license  
>the first weekend in September. And nightly I spend about half an hour  
>studying Morse Code.

>This coming weekend I will be building a Regenerative Receiver kit by  
>Tentec with the local amateur club and that will probably be finished  
the  
>same day.  
>  
>I would like to try building on my own a transceiver, that is crystal  
>controlled, from scratch with the exception of a schematic. Now lots  
>of folks in the past have said that the Pixie wouldn't be a good one to  
>start off with because it lacks sensitivity.  
>  
>I'm looking for recommendations for a radio to build that is crystal  
>controlled. Cheap, because I don't have a lot of confidence in my  
>electronic building skills yet. And yet if it does work will enable a  
>  
>neophyte like myself get some listening pleasure from it and later on  
>when  
>I get my "General" I will be able to use it for some transmitting.  
>  
>Crystal frequency I plan on installing is 7.040.  
>  
>Thanks much,  
>Jim  
>

Don Sanders W4BWS  
694 E. Eau Gallie Blvd  
Satellite Beach ,FL 32937  
My favorite QRP rig glows in the dark

-----  
Date: Wed, 28 Jul 1999 11:04:53 -0700  
From: Bob Nielsen <nielsen@primenet.com>  
To: qrp-l@lehigh.edu  
Subject: [46288] Re: UTC?  
Message-ID: <19990728110453.B1793@bob>  
Mime-Version: 1.0  
Content-Type: text/plain; charset=us-ascii

I said add 5 because he said EST, not EDT. Besides, us Arizonians don't understand daylight savings time (hopefully Chuck will be able to cope).

Bob

On Wed, Jul 28, 1999 at 03:47:14PM +0100, Stewart Bryant wrote:  
> Isn't it 4 hours:  
>  
> UTC = GMT (for the purposes of this discussion)

```

> UK = UTC + 1 (daylight saving is one hour earlier than natural)
> FL = UK - 5 (Florida and UK both on daylight saving, and difference is 5 hours)
> FL = UTC + 1 -5
> FL = UTC-4
>
> therefore UTC = FL + 4
>
> So add four hours?
>
> Stewart
>
> Bob Nielsen wrote:
>
> > On Wed, Jul 28, 1999 at 08:12:23AM -0400, George Goodroe wrote:
> > > Hello All,
> > >
> > > A rank greenhorn here confused about UTC.
> > >
> > > I am in Florida on EST...how would I calculate UTC?
> > >
> > > Add 5 hours.
> > >
> > > Also...is UTC the same as London, United Kingdom time? Does UTC change like
> > > with our daylight savings time?
> > >
> > > The reason for all of this is my computer UTC program says one thing and
> > > Londons time (which I thought was UTC) was one hour off!
> > >
> > London is currently on "summer" time (like our DST) and is an hour ahead
> > of UTC. UTC doesn't change (standards rarely do).
> >
> > Bob W6SWE
> >
> > --
> > Bob Nielsen                Internet: nielsen@primenet.com
> > Tucson, AZ                 AMPRnet: w6swe@w6swe.ampr.org
> > DM42nh                     http://www.primenet.com/~nielsen
>

```

```

--
Bob Nielsen                Internet: nielsen@primenet.com
Tucson, AZ                 AMPRnet: w6swe@w6swe.ampr.org
DM42nh                     http://www.primenet.com/~nielsen

```

-----

Date: Wed, 28 Jul 1999 13:08:46 -0500

From: "Chuck Adams K5FO" <adams@ticnet.com>  
To: qrp-1@lehigh.edu  
Subject: [46289] Austin SummerFest August 6th+  
Message-ID: <E119Wz7-0008Ru-00@pop3.ticnet.com>  
MIME-Version: 1.0  
Content-type: text/plain; charset=US-ASCII  
Content-transfer-encoding: 7BIT  
Content-Transfer-Encoding: 7BIT

Gang,

Since there hasn't been too much publicity for the Austin Swap meet next week I am getting inquiries. Would someone kindly post the details on the Austin meet coming up the first weekend in August. I will be there.

In August there is a bicycle race (100 miles) in Wichita Falls TX called the Hotter than Haydes 100. It is hot in TX in August so be prepared when you get to Austin to see some 3 digit temperatures, but it (the fest) is held inside so they do have A/C (and hopefully it will be working or there will be a riot on someone's hands...).

Stu in Austin was working on the QRP Forum so he'll be posting shortly.

FYI

P.S. My son in his younger days did the 100 on a Mtn Bike. People actually die almost every year in that race due to the heat.

Chuck Adams K7Q0/5 adams@ticnet.com <http://www.qsl.net/k5fo/>

-----  
Date: 28 Jul 1999 13:10:24 -0500  
From: "rohre" <rohre@arlut.utexas.edu>  
To: qrp-1@lehigh.edu  
Subject: [46290] G5RV antenna, less than \$30 YES!  
Message-ID: <n1278955060.79250@msmailgw1.arlut.utexas.edu>

Good grief!

Hams should make their own wire antennas.

Here is how you can make a G5RV for less than \$30.

A full roll of 100 ft. of 450 ohm ladder line good for a kilowatt just cost our club \$12.95, in TX. Now, that is more than you are likely to need to put up one G5RV, so share that cost with a friend. The best way to do the G5RV is just to go ahead and run 450 ohm line all the way to the balun in your antenna matching unit, or Z match unit balanced terminals.

A full roll of 500 FEET of #14 house wire, with insulation on it, was only \$14 at Home Depot hardware centers here. You could make a lot of 102 foot G5RVs, so find some more ham friends. You can prestretch it to remove stretch, or just retune it when it does stretch a little. Tie one end to a fence post and put your weight on the other end, and you have it prestretched and ready to use.

Or, you could make a G5RV/ZS6BKW variant good for more WARC bands as well as the traditional 80-10M. This was in W6SAI's monthly antenna piece in CQ some years back. You make the flat top 92 feet, and use 40 feet of ladder line, and go to 50 ohm coax, or just run ladder line all the way to the balun, which is truly lower cost and loss!

Now for insulators, you surely have some scrap plastic around the house. My most recent Extended Double Zepps, of 320 feet of flat top and more, used empty vitamin bottles of white plastic, like a lot of prescription and non prescription medicine is sold in these days.

Those one a day vitamin bottles are fine, for both center insulator, and end insulators. Or use wood boiled in paraffin canning wax from the grocer. Practically zero, or zero cost. Use what you have, old plastic broken coat hangers, or you name the plastic you saw up for insulators, or go buy the Radio shack close outs.

Use soldering for the ladder line attachment, but first wrap it over the bottle side, and tie it back to itself with a plastic nylon tie or two, tape or twist the wire back thru the window line itself, and then run pigtail to antenna wire. If for temporary use, don't bother to solder, use wire nuts, and I think someone said they do that for permanent wires too, on their tower.

Now, let's see how our budget looks so far: For the G5RV about \$3 in flat top wire, and \$6 for feed line. Zero, or a bit more for insulators, hmmm send me the \$21 you saved!

Surely you have some real insulators in your junk box, as well as wire nuts, or a bit of solder and tape, nylon ties, etc. If you own more than one

antenna, or do honey do projects, you will eventually have the hardware lying around to do many antenna projects.

Sure the surplus plastic bottles may not last forever in the sun, but you could find surplus ceramic insulators at most any ham fest. Also, farm supply stores may have them, and most any plastic commercial antenna insulator will get grundgy in the sun, and need replacement in a few years too, thus, the cost of replacing bottles might be about the same as real insulators, just some time once in a few years.

We loop the house wire thru holes drilled in the body of the bottle end insulators and center, and for the lanyard at the end insulators, we drilled a hole in the bottle cap, knotted the end of synthetic line, and secured the line to the cap that way, and screwed it back on the bottle body. Oh, a heat gun or hair dryer takes the labels off better than soaking them off in the sink with soap and water, faster too.

Left out the cost of the lanyard support ropes, which could be the insulators in a pinch also. I got some nylon seine line for maybe \$3 for 100 feet.(?) Good for 75 lbs. Don't remember cost precisely, but it was a lifetime supply, and has held up 320 foot antenna legs! Again, this is something you might have as left over clothes line, packing string, etc. A one time supply will make many antennas, if bought for that.

Starting out without supplies, you should be able to make a nice G5RV for \$12 or less with an "antenna junk box"!

As I have said before, when you go into hardware or discount stores, think antennas as you browse the houseware depts. and hardware, and many adaptations might leap out at you.

You can home make your ladder line, but since your labor time is money too, that is a draw with ham store bought ladder line.

Anyway, hams should build something at least, and antennas are a great way to save a few dollars to use for something more complex.

72, Stuart K5KVH

-----

Date: 28 Jul 1999 15:36:32 -0400  
From: Glen Leinweber <leinwebe@mcmail.cis.McMaster.CA>  
To: qrp-l;;  
Subject: [46291] square law diode detector apps  
Message-ID: <1999Jul28.153632-0400@[130.113.234.7]>

test equipment homebrewers:



We've discussed using a diode detector (to death) to determine QRP output power. When you do milliwattting, the diode detector gives somewhat erroneous low readings, because of its forward voltage (0.6v) and because its "rectifying" properties become sorta wishy-washy (a very technical term ;-)

So its natural to completely distrust a diode for AC measurements \*WAY\* down in amplitude. Wrong.

A diode becomes a very nice square-law detector for AC signals below -20dBm, useful for lots of very low-power measurements. When used with a RF generator you can measure receiver MDS and crystal parameters. And if you're a gonzo MICROwatter (QRPppper), you can use it there too.

I've added some html notes to the elmer101 pages on how to build and use a square law detector that has an input range from -60 dBm to -20 dBm at;  
<http://epic.mcmaster.ca/~elmer101>

-Glen VE3DNL

-----  
Date: Wed, 28 Jul 1999 14:39:51 -0500  
From: "Dennis Payton" <dpayton@fwi.com>  
To: <qrp-1@Lehigh.EDU>  
Subject: [46292] Need 2N2/40 PA Heatsinks?  
Message-ID: <017801bed930\$f945a060\$0fa854d1@locke>  
MIME-Version: 1.0  
Content-Type: text/plain;  
    charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

I've got a small supply of heat sinks that will work. If you give me your mailing address I'll send you three of them. BUT if I get overwhelmed I'll need to ask for an SASE.

Denny Payton, N9JXY  
Auburn, IN

-----  
Date: Wed, 28 Jul 1999 16:09:08 -0400  
From: david fouchey <dafouchey@home.com>  
To: Paul Erickson <pauale@sfu.ca>  
Cc: qrp <qrp-1@lehigh.edu>

Subject: [46293] Re: Ethernet terminator for dummy load

Message-ID: <379F6364.A2B650DB@home.com>

MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

Content-Transfer-Encoding: 7bit

The T0-5 heat sinks I used were flexible black finned ones which expanded, the solid extruded aluminum ones were too loose. Another possibility is straight out of the Hints and Kinks column, take a piece of aluminum approx. a 1/2 inch wide and maybe 1-2 inches long and wrap it around a drill bit shank into a semi-circle slightly smaller than the diameter of the termination, trim the remaining straight length to however much you want to leave as "fins"

Dave

WA4EMR

Paul Erickson wrote:

>

> Hi Dave,

>

> Do you have to shim them to get a good fit with the T0-5 sink?

>

> I just checked some out at a local store, and the fit was too

> loose to use the sinks available.

>

> How much do they want for them there? The going rate is about \$5

> for the terminators up here.

>

> cheers, Paul VE7CQK/email: paule@sfu.ca

> >

> > The ones I have are also the metal ones and a T0-5 heat sink fits them

> > just fine. Haven't tried them much above 5 watts though.

> >

> > Dave

> > WA4EMR

> >

> > Todd McCoy wrote:

> > >

> > > Arjen Raateland wrote:

> > >

> > > > Fitting a (transistor) heat-sink should make them even better. I've

> > > > never tried and the exact dimensions do differ from one to the other.

> > >

> > > The ones I got from a "show" vendor are in a metal case. I had not thought of

> > > using them as dummy loads, but it seems like a good idea. Also the metal

ones

> > > would be even easier to adapt a heat-sink for.  
> > >  
> > > --  
> > > Todd McCoy: QRP-L #1823 | 10-X 70500  
> > > KB4DPF - Gloucester Co., Virginia  
> > > 37.2950 N, 76.4154 W | Grid: FM17  
> > > <http://www.qsl.net/kb4dpf>  
> > >  
> > > -----  
> > > NetZero - We believe in a FREE Internet. Shouldn't you?  
> > > Get your FREE Internet Access and Email at  
> > > <http://www.netzero.net/download/index.html>  
> > >

-----  
Date: Wed, 28 Jul 1999 16:22:38 EDT  
From: "Philip G. Collier" <borealis@juno.com>  
To: qrp-l@lehigh.edu  
Subject: [46294] Russian Beacons on 7.039  
Message-ID: <19990728.162243.3910.0.borealis@juno.com>

>From my QTH in upstate NY, I can frequently hear the "C" beacon near 7.039 and am curious if anyone has heard the other beacons on that frequency. They are good targets for weak signal practice. They've been there for so many years, yet it is a thrill to open up a DSP program and let the computer go to work and dig'em out of the QRM :-)

The "P" beacon may have been a few days ago...who has heard beacons other than Charlie on 40M??

Phil KG2DH

-----  
Get the Internet just the way you want it.  
Free software, free e-mail, and free Internet access for a month!  
Try Juno Web: <http://dl.www.juno.com/dynoget/tagj>.

-----  
Date: Wed, 28 Jul 1999 16:45:38 -0400  
From: "K.Edwards" <kedwards@mindspring.com>  
To: qrp-l@Lehigh.EDU  
Subject: [46295] Mizuho/Tokyo Hy-Power HF Radio's page  
Message-ID: <379F6BF2.AE4CE999@mindspring.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Hi Gents-

I have just started to put together a page on the these QRP HF handhelds. With the kind permission of Dave WB0GAZ, I have used a lot of data that he's done the hard work of accumulating, and, Rich W5RXP, added a lot of info to the pool also!

The link's at: <http://www.mindspring.com/~kedwards/mizuho/>

If anyone has any additional data, images or what-not, I'd sure appreciate it!

I also really, really, really need a crystal for the MX-14S that covers 14.060 MHz (part number 14X-05S). I have luckily gotten a rock covering the lower portion of the SSB range (14X-15S)...thanks

Jim/VE2KN!..., but I am really a CW-guy...

Tnx...

--Ken WA4SQM

-----  
Date: Wed, 28 Jul 1999 13:49:48 -0700  
From: Jeff Grudin <grudin@pacific.vdbs.com>  
To: QRP-L <qrp-l@lehigh.edu>  
Subject: [46296] Test of Time/ Date Do not read  
Message-ID: <379F6CEC.6EA8014C@vdbs.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

I am trying to locate the problem with the date/time stamp on my messages. Please ignor.

--

73 de AC6KW <<mailto:grudin@vdbs.com>>  
Jeff Grudin, DVM Web Add: <http://www.vdbs.com/~grudin>  
Ocean Animal Clinic / Cat Clinic of Santa Cruz - Santa Cruz, California  
Norcal QRP #1292 QRP-L #16 ARS #351 AR Qrp #131

-----  
Date: Wed, 28 Jul 1999 14:04:00 -0700  
From: "Phinizy, William" <[wphinizy@filenet.com](mailto:wphinizy@filenet.com)>  
To: "'QRP-l List Server'" <[qrp-l@Lehigh.edu](mailto:qrp-l@Lehigh.edu)>  
Subject: [46297] Lake Perris QRP Society Monthly Meetings..  
Message-ID: <C3AF5E329E21D2119C4C00805F6FF58F01DE02AB@hq-expo2.filenet.com>

Fellow QRPers:

If you are in, or happen to be passing through the Southern California area, you are invited to attend any monthly get-togethers of the Lake Perris QRP Society (LPQS, KR6LP).

We convene at the Cal Poly Swap Meet where we set up a station and introduce others to the manifold joys QRP. Usually, we have a station going (mostly 40 meters) so you are more than welcome to stop by and try to snag a few Qs. After the swap meet -- around 11:30 AM -- we repair to Hudson's Grill up the road and swap projects, ideas, and lies. The hamburgers are great and the company is even better.

The details and directions:

The Cal Poly swap meet is held every third Saturday of the month from 0700-1130. It is located at Cal Poly Pomona, near the intersection of the 57 and 10 freeways. Exit the 57 freeway at Temple Avenue and head DOWN the hill. You will encounter a set of railroad tracks and, immediately afterwards, Valley Blvd. Continue past Valley Blvd and turn right at Campus Drive (the first right after Valley). Turn left onto Kellogg Drive (the first left after Campus). Follow all the cars with the funny antennas to the parking lot where the swap meet is being held. We're usually over near the trees (of course). If you can't make the swap meet, please join us at Hudson's Grill. Remember where you would have gotten off the 57 freeway at Temple and then headed DOWN the hill? Well, just go up the hill and look on your left for the first strip mall and you're there!

If all of this is thoroughly confusing and/or you are not a native of L.A. and not used to our freeways, we'll try to talk you in on the D-BARS repeater (146.640, minus 600, PL of 167-something, or just call us direct on the output). Or just drop me an e-mail at k6whp@gte.net and let me know you're coming.

We \*really\* would like to have you all to stop by and say hi.

72 de Bill, K6WHP

-----  
Date: Wed, 28 Jul 1999 14:01:07 -0700 (PDT)  
From: Jim NOUR <n0ur@yahoo.com>  
To: =?ISO-8859-1?Q?"MN=A0QRP"?= ALL <mnqrp-1@qth.net>, QRP-L QRP-L <qrp-1@Lehigh.EDU>  
Subject: [46298] Telephone RFI, progress report

Message-ID: <19990728210107.10538.rocketmail@web214.mail.yahoo.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii

First, thanks to ALL for the great response to my cry for help, lot of good information and "ammo" for my complaint.

The little grey box turned out to be a DAML, or Multiplexer. It lets the phone company put two or more phone lines on a single pair of wire. They are also known to generate "noise", and in my case, right on 7.040. Just to be sure it was the source, I unplugged all phones and modems, and turned off all power to the house, no change.

When I finally got to talk to the local area supervisor he took plenty of time to listen to my problem. He said he would first replace the DAML with a new one and see if that would help, if not he would try and run a direct second line to the house.

The very next day a service tech showed up to replace the DAML. I ran down to the shack and tuned to 7.040, as soon as he disconnected the DAML the noise was gone! As soon as the new one was connected the noise came right back. I told the tech what happened, he even came down into the shack to hear it for himself. He sounded like the hard wire second would be possible, I just may have to wait a week or so. I've been living with it for 6 months, what's a week. I showered him with thank you's as he said he would put in a work order. Maybe these phone companies are not all bad after all.

Again, thanks to all, what a great resource this list is.

72's

Jim, NOUR

---

Do You Yahoo!?  
Free instant messaging and more at <http://messenger.yahoo.com>

-----  
Date: Wed, 28 Jul 1999 17:06:41 EDT  
From: K2UD@aol.com  
To: qrp-1@lehigh.edu  
Subject: [46299] Re: 2n2/40  
Message-ID: <dbbf0a4f.24d0cae1@aol.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

The Dan's 2N2/40 kit is a partial kit of some of the "rarer" items. These include varactors, trim-caps toroids and chokes. It is not a complete kit of parts. All other parts are easily obtained at the other regular sources.

I would also recommend Dan's double balanced mixer kit for the receiver and transmitter. It comes with 3 different colored wires to make winding the trifilar transformers much easier.

Hope this might help at least one person, then it will be worth it (Clintonism?).

72

Howard Kraus, K2UD

-----  
Date: Wed, 28 Jul 1999 17:14:14 EDT  
From: K2UD@aol.com  
To: qrp-1@lehigh.edu  
Subject: [46300] Re: SD-20 still available?  
Message-ID: <854654f.24d0cca6@aol.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Also try OOPS! Sproting Goods  
RR #1 Box 70  
Hillsboro, NH 03244

They have an 800 number, don't remember what is. Don't know if they are on line either.

72

Howard Kraus, K2UD

-----  
Date: Wed, 28 Jul 1999 14:17:36 -0700  
From: Ron Ries <lawnmower@theriver.com>  
To: qrp-1@Lehigh.EDU  
Subject: [46301] product information  
Message-ID: <v04205500b3c52286f038@[208.164.102.124]>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii" ; format="flowed"

Hello to the group:

I am new to the group but not new to amateur radio. Lost interest about 10 years ago as an 'appliance operator' and recently found QRP and homebrew. Wanting to get back to the building of projects.

I have found a number of kit suppliers and schematics while investigating links but was not able to locate a couple of names: Index labs (are they out of business?) and, most of all, Small Wonders. Is there a website for SW or any info on their products?

Any other suggestions that might be helpful getting back up to speed would be welcome.

Thanks!

Ron  
KA7HTR

-----  
Date: Wed, 28 Jul 1999 17:06:31 -0400  
From: David J Zolin <kb3dzh@juno.com>  
To: qrp-1@Lehigh.EDU  
Subject: [46302] tnx es question re cable TV coax  
Message-ID: <19990728.173826.-3902413.2.KB3DZH@juno.com>  
MIME-Version: 1.0  
Content-Type: text/plain  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Many thanks to all of you who responded to my request re the G5RV antenna. The response was overwhelming!  
Now another question from a real newcomer to amateur radio.

1. I have about 50 feet of Belden M 9052 Duobond Plus RG-59 type 75 ohm



E86432 CATVX KM left over from a cable tv  
line installation.

2. I also have an unknown length (its on a spool) of Alpha Wire 92194  
RG-55/U, looks like it is double shielded.

Can't find that RG55 number anywhere.

3. I have several of those little 75 ohm to 300 ohm connectors to join tv  
feedline to coax.

Can any of this be used for anything related to ham radio?

TIA and 73,

David Zolin KB3DZH (not a vanity call, just luck)

-----  
Get the Internet just the way you want it.  
Free software, free e-mail, and free Internet access for a month!  
Try Juno Web: <http://dl.www.juno.com/dynoget/tagj>.

-----  
Date: Wed, 28 Jul 1999 17:36:42 EDT  
From: GElam30092@aol.com  
To: lawnmower@theriver.com, qrp-1@lehigh.edu  
Subject: [46303] Re: product information  
Message-ID: <9da641af.24d0d1ea@aol.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

In a message dated 7/28/1999 2:17:05 PM US Mountain Standard Time,  
lawnmower@theriver.com writes:

<< I have found a number of kit suppliers and schematics while  
investigating links but was not able to locate a couple of names:  
Index labs (are they out of business?) and, most of all, Small  
Wonders. Is there a website for SW or any info on their products? >>

<http://www.smallwonderlabs.com/>

..... can't offer any advice. I'm new to this segment also!

Good luck!  
Gerry, K1LR0

-----  
Date: Wed, 28 Jul 1999 22:56:11 +0100  
From: "Frank G3YCC" <[frank@g3ycc.karoo.co.uk](mailto:frank@g3ycc.karoo.co.uk)>

To: "QRP-L" <qrp-l@lehigh.edu>  
Subject: [46304] G3YCC's Antenna Anthology  
Message-ID: <009001bed944\$05427ec0\$e0ea5cc3@prsat0x1>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

If you wish to FAX your order for my book, email me for the details. Another of our club member is willing to accept FAXes on my behalf and will give his number to those needing it.  
Thanks to all who have ordered the book.

73  
Frank, G3YCC  
QRP web page <http://www.karoo.co.uk/g3ycc/>

-----  
Date: Thu, 29 Jul 1999 08:27:11 +1000  
From: "Ian C. Purdie VK2TIP" <ianpurdie@integritynet.com.au>  
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [46305] Q-dope substitute  
Message-ID: <379F83BF.345464A9@integritynet.com.au>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Gang,

I'll weigh in with my .02 worth again because I am most interested in:

1. Something cheap yet readily available and Q - dope as such has never been on the shelf here in Australia.
2. For some of my weirdo designs, Q (read the maximum possible) is critical and the number crunching is dependent upon a known stable figure.
3. Therefore I needed to know (polystyrene/chloroform mix) just how much initial Q was degraded or alternatively which product/mixture yields the lowest reduction of Q.

73's

Ian Purdie  
VK2TIP "I'll give you the TIP mate"  
Budgewoi N.S.W. Australia  
Tel: 61 + 2 + 4399 3228 (2200 - 0800 U.T.C. please.)  
QRP-L member #1978.  
URL - <http://www.integritynet.com.au/~purdic/>  
URL - <http://www.qsl.net/vk2tip/>  
"Three out of five Web experts agree that frames are the work of the devil and represent all that is evil about the Web. The remaining two experts are agnostic and think that frames are just a stupid idea" -

-----  
Date: Wed, 28 Jul 1999 15:26:57 -0700  
From: Elliott Lawrence <edl@pacbell.net>  
To: qrp-l@Lehigh.EDU  
Subject: [46306] 2N22/40 Parts  
Message-ID: <379F83B1.1172@pacbell.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

I am in the process of building my 2N22/40 and have finally collected all of the parts. Excess to my needs are a large supply of 0.22 uf ceramic bypass caps. I can make these available in lots of 25 for \$1 plus a 33 cent stamp. No minimum order. I will confirm to all interested until the supply runs out.

When I get the unit operating I may have a few other parts that are "left over" that I can make available.

72  
Elliott WA6TLA

-----  
End of QRP-L Digest 1531  
\*\*\*\*\*  
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